SIEMENS

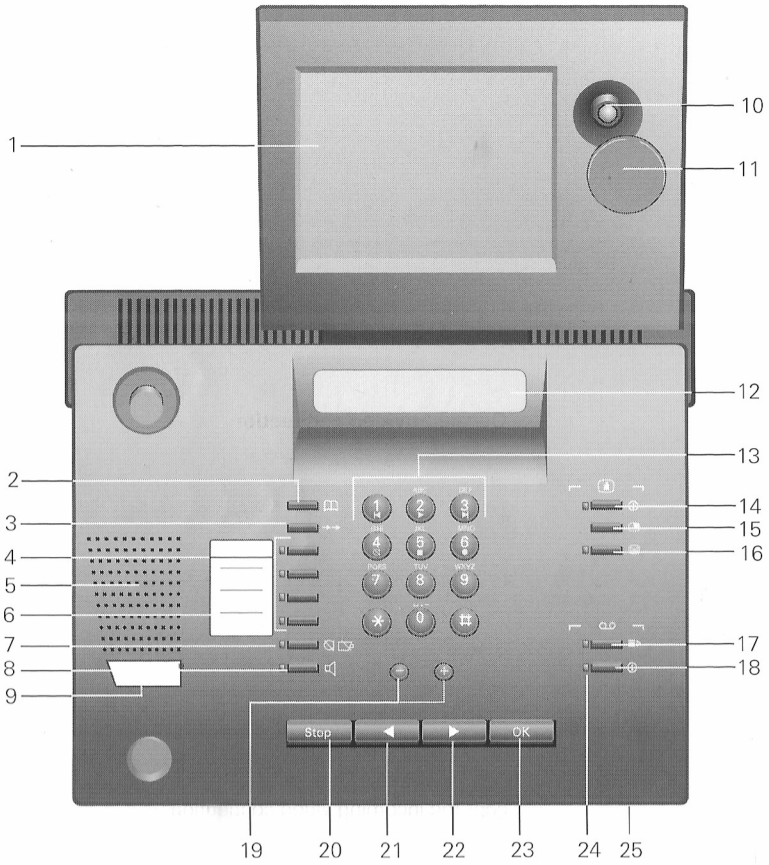
T-View

Operating instructions

H.320 conform

Please read the safety precautions outlined in these operating instructions before putting the telephone into service (→ page IV)

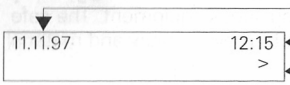
Control panel



1. Video-Screen
2. Directory
3. Redial
4. Programmable keys
5. Loudspeaker
6. Labelling card
7. Mute
8. Loudspeaker / handsfree
9. Fire/emergency number label
10. Camera
11. Camera cover / privacy cap
12. Display
13. Dialling keypad
14. Video: on/off
15. Video: picture in picture (PIP)
16. Video: Still image
17. Answering machine Check/Set
18. Answering machine on/off
19. Volume/display contrast
20. Stop key
21. Previous key
22. Next key
23. OK key
24. LED (light-emitting diode)
25. Microphone

Displays

Idle status



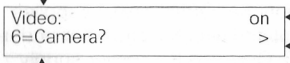
Date

Time

Activate the menu functions by scrolling with the ►/◄ keys.

In a menu

Menu function currently active.



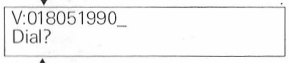
Current status of function, in this case: the camera is on.

Activate the menu functions by scrolling with the ►/◄ keys.

Edit the function displayed with the OK key.

Outgoing video connection

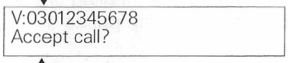
Video telephone number entered.



Execute the function displayed with the OK key, in this case: set up a call.

Incoming video connection

Caller's video telephone number.



Execute the function displayed with the OK key, in this case: accept the incoming video connection.

Input mode

Name of entry.

Confirm entry with the OK key.

Input of letters, digits and special characters.

In the answering machine menu

Answering machine memory assignment display.

Current answering machine status, in this case: the AM is off.

Activate additional AM functions by scrolling with the ►/◄ keys.

Edit the function displayed with the OK key.

Safety precautions

T-View satisfies the requirements of the European standard EN 60 950 – Safety of information technology equipment including electronic business equipment. The safe design of this device helps to prevent injury and material damage.

For your own safety, do not use the telephone in bathrooms or showers (damp environments). The telephone is not splashproof.

The plug-in power supply provided is specially designed for use with the video telephone. Other power supplies may not be sufficiently insulated (electric shock) or underdimensioned (overheating). Only use the power supply provided.

To prevent electric shocks, disconnect the video telephone when removing or connecting the screen/camera unit. To disconnect the video telephone, unplug it both from the telephone network and the power supply system.

Do not obstruct the ventilation slits.

The unit heats up during operation. This could damage or ignite flammable substances. As a result, you must ensure the ventilation slits are free from obstruction and keep the above-mentioned substances away from the unit.

Small children are prone to swallowing or inhaling small objects. In T-View, the connecting cable clip poses the greatest danger.
Please ensure that these parts are kept out of reach of children.

Installation notes

- The unit is designed for operation in protected areas with a temperature range of +5 °C to +40 °C.
- In order to avoid interference, do not install the unit in the immediate vicinity of other electronic devices, such as hi-fi, office or microwave equipment.
- Choose a location for the device where there is no dazzle on the screen.
- Under normal circumstances, the unit will not leave unsightly marks. However, due to the vast array of surface finishes applied to furniture, marks on the installation surface cannot be ruled out when in contact with equipment components. You should therefore install the unit on a level surface and use a non-slip mat.
- For high handsfree talking quality, the right-hand area in front of the microphone should be kept free from obstruction. The optimum distance for handsfree talking is 50 cm.
- Do not install the telephone in room where there are large volumes of dust as this can reduce the telephone's life.
- Do not expose the telephone to direct sunlight or other heat sources as this can interfere with the electronics and damage the plastic housing.
- Do not install the telephone in damp environments, such as bathrooms or showers.
- Plug in the NTBA power plug.

Approval and conformity

Your Siemens T-View satisfies European conformity requirements.

You are therefore permitted to connect it to all ISDN point-to-multipoint connections and ISDN telephone systems for operation.

T-View was approved in accordance with the requirements of the EU directive 91/263/EEC Telecommunication Terminals.

This telephone satisfies the requirements of the EU directive and thus carries the CE symbol.

ISDN features

T-View allows you to use all ISDN features supported, e.g. toggle, suspend or conference. The actual features available depend on your network provider and, if applicable, the selected charge rate group.

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Putting into service

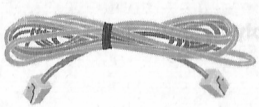
Checking the contents of the package

The default package contains:

- 1 basic device,
- 1 screen/camera unit,
- 1 handset,
- 1 handset cable, coiled (not shown),
- 1 ISDN connecting cable,
- 1 power supply (not shown),
- 1 operating instructions and 1 quick reference guide (not shown),
- Fire/emergency label (not shown).

Handset

ISDN connecting cable



Completing and affixing the fire/emergency label

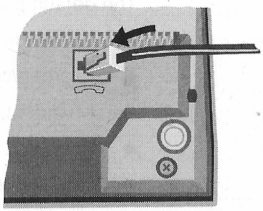
Your video telephone comes with a fire/emergency label. Fill out this label and affix it to the surface provided (see → page II).

Removing and inserting labelling cards

Your video telephone comes with a labelling card. You can note the names of the people whose phone numbers are saved or the functions assigned to the feature keys on this card (→ page 86). To remove the labelling card, press the upper edge of the Plexiglas cover and slide upwards.

Connecting the video telephone

Handset cable



Both ends of the handset cable have the same connector.

Insert the longer straight end of the handset cable into the jack marked ☎ on underside of the telephone. Insert the other end in the handset under the mouthpiece. Both connectors must audibly engage in the respective jacks.

Screen unit

Insert the screen unit into the opening provided on the basic unit until it audibly engages.

Telephone connecting cable

Both ends of the telephone connecting cable have the same connector.

Insert one connector in the jack marked ISDN ☎ on the rear side of the telephone and the other connector in your ISDN jack at the NTBA.

Both connectors must audibly engage in the respective jacks.

Power supply

Insert the power supply in the socket and the other end in the jack marked on the rear side of the telephone.

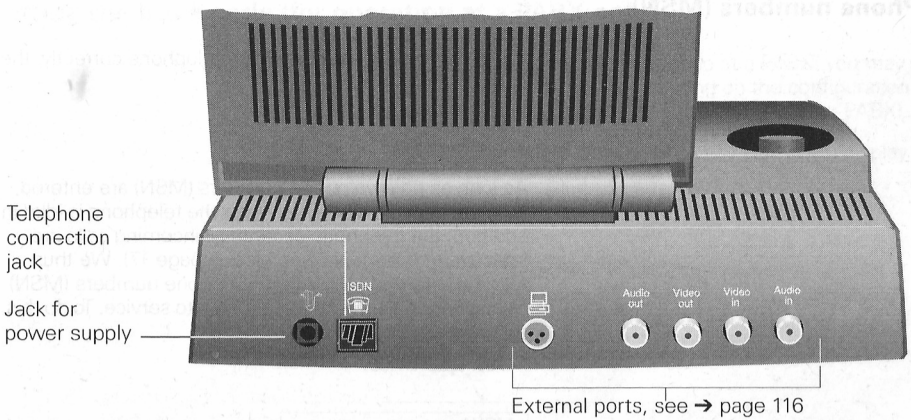
User power supply as follows:

C39280-Z4-C102 for Austria, Belgium, Denmark, Finnland, France, Germany, Greece, Luxembourg, Italy, Netherlends, Norway, Portugal, Spain, Sweden, Switzerland, Turkey

C39280-Z4-C181 for Ireland, United Kindom, South Africa

C39280-Z4-C182 for Australia

> Both the power supply and the telephone connecting cable must be plugged in as otherwise you will not be able to operate your telephone without problems.


Telephone connection jack
Jack for power supply
ISDN
Audio out
Video out
Video in
Audio in
External ports, see → page 116

Phone numbers (MSN)

If you have connected the video telephone correctly, the following is displayed:

```
MSN missing
Configuration?          >
```

As long as no own phone numbers (MSN) are entered, the above text is displayed when the telephone is idle. In addition, the telephone accepts all incoming calls irrespective of the MSNs (see also → page 17). We thus recommend that you enter your phone numbers (MSN) as soon as you put your telephone into service. To do this, proceed as follows:

Press [OK] twice.

```
MSN1:
          Continue with OK
```

Use the keys 0 to 9 to enter the phone numbers (MSN). The phone numbers (MSN) are assigned by your network provider with your ISDN connection. Do not enter prefixes for country or area codes! Terminate your entry with [OK].

Terminate your entry with [OK].

```
MSN2:
          Continue with OK
```

Enter the second phone number (MSN). Terminate your entry with [OK].

```
MSN3:
          Continue with OK
```

Enter the third phone number (MSN). Terminate your entry with [OK].

You are not obliged to enter phone numbers (MSN) 2 and 3. If you do not want to enter phone numbers for these, skip the input prompts by pressing [OK] without entering any digits. You can enter phone numbers (MSN) at any time (→ page 17).

Once you have entered the phone number (MSN), you can return to the basic menu by pressing the Stop key.

Setting the trunk code (for operation at a PABX only)

If you operate your video telephone at a PABX, you may have to set a trunk code, depending on the configuration of your PABX (see operating instructions for your PABX).

Press [►] until the following appears in the lower display line:

Service? >

Press [OK].

Press [►] until the following appears in the lower display line:

2=configuration?

Press [OK].

Press [►] until the following appears in the lower display line:

15=external call? >

Press [OK].

Enter the trunk code via the dialling keypad, e.g. 0 (depending on your PABX). Press [OK] to confirm. Terminate your entry with [Stop].

The display 00.00.00 00:00 is shown until the first outgoing call is made.

Setting the display language and national variant

If you want to set another user language (→ page 23), proceed as follows:

Press [►] until the following appears in the lower display line:

Service? >

Press [OK].

Press ► until the following appears in the lower display line:

```
2=configuration          >
```

Press OK.

Press ► until the following appears in the lower display line:

```
12=language?             >
```

Press OK.

Press ► until the required language is displayed.
Press OK to save your setting.
Terminate your entry with Stop.

You can also set the national variant (→ page 22).This is necessary so that your device can support country-specifc ISDN network features.

Press ► until the following appears in the lower display line:

```
Service?                 >
```

Press OK.

Press ► until the following appears in the lower display line:

```
2=configuration?         >
```

Press OK.

Press ► until the following appears in the lower display line:

```
02=national variant?     >
```

Press OK.
Press ► until the required national variant is displayed.
Press OK to save your setting.
Terminate your entry with Stop.

Entering emergency numbers

Emergency numbers can be dialled even if total lock is activated for the telephone. You can set up 2 emergency numbers.

Press ▸ until the following appears in the lower display line:

Service? >

Press OK.

Press ▸ until the following appears in the lower display line:

6=lock functions?

Press OK.

Press ▸ until the following appears in the lower display line:

12=emergency number 1?

Press OK

or press ▸ until the following appears in the lower display line:

13=emergency number 2?

Press OK.

Press ▸ until the following appears in the lower display line:

Change?

Press OK.

Enter the emergency number.

Press OK to save your setting.
Terminate your entry with Stop.

National/international access code

It is recommended that you enter a national/international access code as this ensures that incoming phone numbers are correctly displayed and interpreted when using the CLIP/COLP ISDN feature (Glossary → page 126) for call number display. A transferred phone number is thus preceded, where applicable, by an access code which is necessary, for example, for dialling directly from the caller list (→ page 52).

The national access code (code for connections to other local networks) and the international access code (code for connections abroad) are available from your network provider.

Entering the national access code

Press [►] until the following appears in the lower display line:

```
Service?                >
```

Press [OK].

Press [►] until the following appears in the lower display line:

```
2=configuration?
```

Press [OK].

Press [►] until the following appears in the lower display line:

```
16=nat. access code?
```

Press [OK].

Enter the national access code (max. 4 digits). Backspace with [◄] to delete.

Press [OK] to save your setting.
Terminate your entry with [Stop].

Entering the international access code

Press ▶ until the following appears in the lower display line:

Service? >

Press OK.

Press ▶ until the following appears in the lower display line:

2=configuration?

Press OK.

Press ▶ until the following appears in the lower display line:

17=int. access code?

Press OK.

Enter the international access code (max. 4 digits). Backspace with ◀ to delete.

Press OK to save your setting.
Terminate your entry with Stop.

Trying out your video telephone

Your can now try out your video video telephone. To ring an extension:

Lift the handset. "V:" appears on the display. The LED on the video on/off key lights up.

Enter the phone number.
The phone number is dialled.

> The time required to set up a video connection varies depending on the remote station.

> The telephone recognises by default whether the remote station supports video telephony or simply voice telephony.

Menu-driven user guidance

The menu-driven user guidance uses four dialog keys and a two-line display.

[►] **Next key**

Activate a menu and scroll forward within menus.

[◄] **Previous key**

Activate a menu and scroll backwards in menus.
When entering digits or characters, this key deletes the preceding digit/character.

[OK] **Confirmation key**

Select the menu item displayed.

Confirm questions displayed,
Save settings or inputs.

[Stop] **Stop key**

Cancel menu selection.
Cancel inputs.
This key has no effect on telephone functions (e.g. connection setup)!
Jump to the next menu level after a setting is confirmed.

Upper display line: information and selected functions

Current information is shown in the upper display line:

- The date and time is displayed when the telephone is idle.
- If you have programmed call forwarding or a telephone lock, this is displayed.
- If you select a menu entry while scrolling, the selected menu entry is displayed.
- Function-specific information is displayed depending on the activated function. For example, if you press the **"Check/Set"** key followed by [OK], the number of messages saved is displayed.
- The current call processing status is displayed during a call.

Lower display line: menus

Settings and enhanced video telephone functions are reached via menus. A menu line (menu entry) is shown in the lower display line.

You can "scroll" through a menu with the ◄ and ► keys.

Press OK to confirm the menu entry displayed.

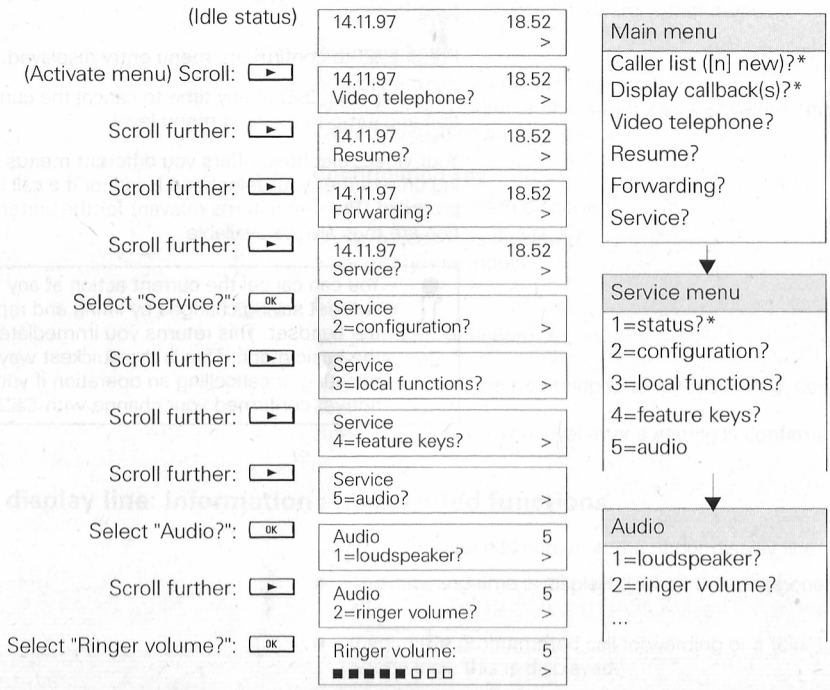
You can press Stop at any time to cancel the current action and jump to the next menu level.

Your video telephone offers you different menus depending on whether your telephone is idle or if a call is in progress. The menu items relevant for the current situation are thus always available.

You can cancel the current action at any time without saving changes by lifting and replacing the handset. This returns you immediately to the basic menu. This is the quickest way of terminating or cancelling an operation if you have not yet confirmed your change with OK.

Selecting from menus

The following sequence diagram (example) shows how to set the ringer volume via the menu on your video telephone. The video telephone must be idle.



* These options are only offered if entries have been made or settings are active.

Presentation in these operating instructions

In these operating instructions, the path taken via menus to select a specific function is presented, for example:

Symbol presentation in the operating instructions

◄ ► Scroll forwards or backwards to select a menu item.

OK Make a selection.

and OK Enter a necessary value and confirm the entry. You hear a confirmation beep.

Press the relevant key.

In some cases, the contents of the display are shown. For example:

MSN missing Configuration? >

Many video telephone functions are reached by selecting menu items. To do this, press ► one or more times. Example of display:

► | Service? | OK ► | 5=audio? | OK

► | 2=ringer volume? | OK

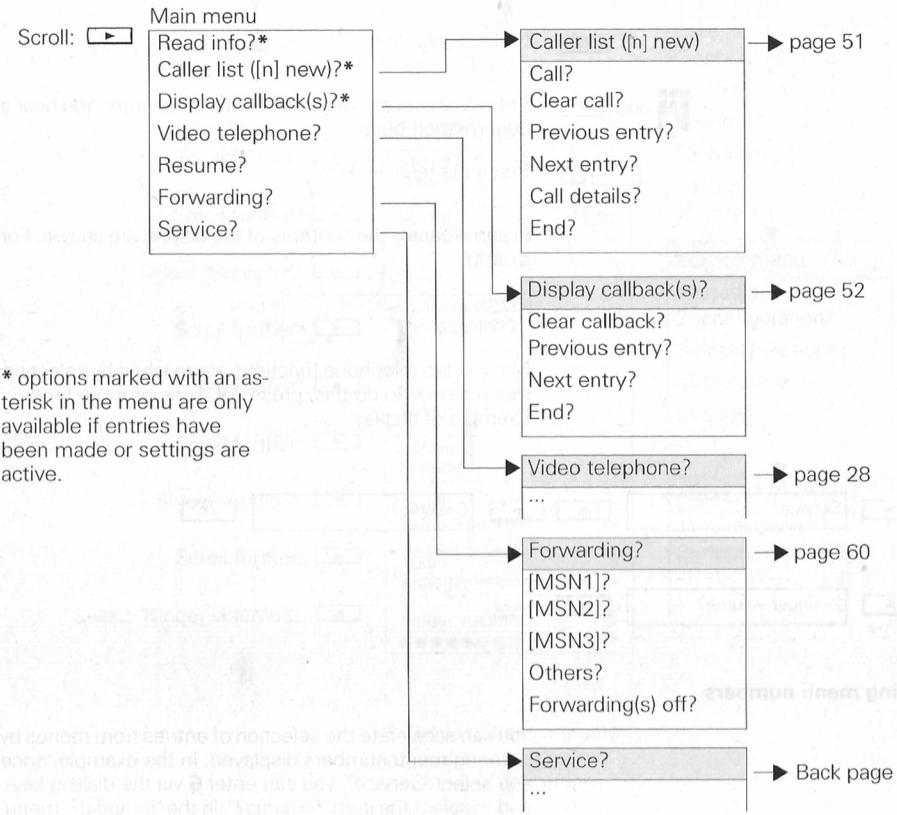
Using menu numbers

You can accelerate the selection of entries from menus by entering menu numbers displayed. In the example, once you select "Service", you can enter **5** via the dialling keypad to select the item "5=audio?". In the "5=audio?" menu, you can activate the menu item "2=ringer volume?" by entering **2** via the dialling keypad (see also the functional overview of the service menu at the at the back of this manual).

Video telephone menu structure

The following diagram provides an overview of the video telephone's menu structure. Please also note the menu overviews at the back of this manual.

Telephone is idle



* options marked with an asterisk in the menu are only available if entries have been made or settings are active.

Basic settings

Password

You can set a password to prevent unauthorised persons from making settings at your video telephone. The password is a secret number comprising up to 4 digits. Once set, the following functions can only be activated if the password has been entered:

- configuration,
- cost management,
- lock functions,
- directory division,
- private directory,
- VIP function,
- feature keys,
- remote answering machine checking.

> If you entered an incorrect password, "Invalid password" is displayed. If you forget the password, the telephone will have to be opened up. If this happens, contact your specialist dealer.

Programming the password

[►] Service? [OK] [►] 3=local functions? [OK]

[►] 2=password? [OK]

Enter the password. Backspace with [◄] to delete.

[OK] Save the password. The prompt "Confirm password" is displayed. You must enter the password a second time for it to take effect.

Re-enter the password. Backspace with [◄] to delete.

[OK] Save the password.

> The password digits entered are only shown as asterisks on the display for security purposes.

Call processing type

The following settings are possible:

- 1 = Multi-device connection (point-to-multipoint configuration): this is the correct call processing type if you received a multi-device connection from your network provider with, e.g. three phone numbers (MSN). Multi-device connection means the connection of several devices to a bus with the same or different MSNs.
- 2 = CENTREX (CTX) PABX: this is the correct call processing type if you use the PABX functionality in your network provider's switch. For more information, refer to the network provider's description. (This function is already available for future applications.)
- 3 = S_0 (TC) PABX: this connection type is used after specific PABXs (e.g. HICOM from Siemens). This allows you to operate more than one device at a bus. For more information, see the PABX operating instructions.
- 4 = system interface (point-to-point configuration): this is the correct call processing type if you received a system interface from your network provider. In general, a PABX is connected to a system interface. If the PABX breaks down, the video telephone instead of the system can be operated at system interface. In this case, simple telephone functions can be activated.

[►] Service? [OK] [►] 2=configuration? [OK]

and [OK] In the case of password protection (→ page 15): enter the password.

[►] 13=call process. type? [OK]

[◄] [►] Select the call processing type.

[OK] Save the setting.

Phone numbers (MSN)

You can enter your phone numbers (MSN). Do not enter prefixes for national or local areas! The 2nd and 3rd MSN number is optional.

► | Service? | OK | ► | 2=configuration? | OK

and OK — In the case of password protection (→ page 15): enter the password.

► | 01=phone number(s)? | OK

Enter the 1st MSN number. Backspace with ◄ to delete.

OK — Save the setting.

and OK — Enter the 2nd MSN number and save.

and OK — Enter the 3rd MSN number and save.

If you do not enter an MSN number, the video telephone will accept calls for all your phone numbers (MSN).

If you enter an incorrect phone number (MSN), you can only conduct outgoing calls. Callers hear the busy tone and an appropriate advisory is displayed on ISDN telephones.

Phone numbers (MSN) cannot be programmed in the case of active call forwarding.

Display contrast

You can adapt the display contrast to suit your own lighting. The video telephone must be idle when you do this.

⊖ or ⊕ — Make the appropriate setting.

Loudspeaker volume

You can set the loudspeaker volume to any of eight levels. The factory setting is 5.

► Service? OK ► 5=audio? OK

1=loudspeaker? OK

Enter a value between 1 and 8 or select with the keys shown:
1 means: minimum volume, 8 means: maximum volume.

OK

Save the setting.

Ringer volume

You can set the ringer volume to any of eight levels. The factory setting is 5.

► Service? OK ► 5=audio? OK

► 2=ringer volume? OK

Enter a value between 1 and 8 or select with the keys shown:
1 means: minimum, 8 means: maximum.

OK

Save the setting.

Ringer tone

You can set a different ringer melody and tone sequence for each phone number (MSN). You can set the tone sequence and the melody in any of eight levels.
The factory settings are:
for MSN 1 tone sequence 2 and melody 2,
for MSN 2 tone sequence 4 and melody 4,
for MSN 3 tone sequence 6 and melody 6.

► Service? OK ► 5=audio? OK

► 3=ringer tone MSN 1? OK

or ► 4=ringer tone MSN 2? OK

or ► 5=ringer tone MSN 3? OK

or ⊖ ⊕ Enter a value between 0 and 7 or select with the keys shown for the tone sequence and melody.

◄ ► Select either tone sequence or melody.

OK Save the setting.

Handset volume

You can set the handset volume to any of eight levels. The factory setting is 2.

► Service? OK ► 5=audio? OK

► 6=handset volume? OK

Lift the handset.

or ⊖ ⊕

or ◄ ► Enter or select a value between 1 and 8:
1 means: minimum handset volume, 8 means: maximum handset volume.

OK Save the setting.

Room characteristics

You can optimize the acoustic properties of your video telephone for normal, noisy and quiet rooms.

► Service? OK ► 5=audio? OK

► 7=room characterist.? OK

◄ ► Select the required tone characteristic.

OK Save the setting.

Enabling/disabling call waiting (CW)

You can set whether or not incoming calls are signalled during a call.

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 14=call waiting? OK

The upper display line shows whether call waiting is enabled or disabled.

◄ ► Select "Switch over?".

OK Save the setting. If call waiting was previously disabled, it is now enabled. If it was enabled, it is now disabled.

Activating/deactivating room monitoring

This function allows you to use another telephone to acoustically monitor the room in which your video telephone is located (→ page 111).

► | Service? | OK | ► | 2=configuration? | OK

and OK

In the case of password protection (→ page 15): enter the password.

► | 19=room monitoring? | OK

The upper display line shows whether room monitoring is activated or deactivated.

OK

"Switch over?" is displayed. Confirm the display. If room monitoring was previously deactivated, it is now activated. If it was activated, it is now deactivated.

Special settings

Trunk code for operating at a PABX

If you operate your video telephone at a PABX, you may, depending on the configuration of your system, have to set a trunk code (see your PABX's operating instructions).

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 15=external call? OK

Enter the trunk code. Backspace with ◄ to delete.

OK Save the setting.

National variants

This is used for setting special country-specific aspects. The setting does not affect the display language.

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 02=national variant? OK

◄ ► Select a national variant

01=A	Austria
02=AUS	Australia
03=B	Belgium
04=CH	Switzerland
05=D	Germany
06=DK	Denmark
07=E	Spain
08=EUR	Europe
09=F	France
10=GB	United Kingdom

11=GR	Greece
12=I	Italy
13=IRL	Ireland
14=L	Luxembourg
15=N	Norway
16=NL	Netherlands
17=P	Portugal
18=S	Sweden
19=SF	Finland
20=TR	Turkey
21=ZA	South Africa

OK Save the setting.

User language

You can set the language of the displays irrespective of the national variant.

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 12=language? OK

◄ ► Select a language.
1 = German, 2 = English, 3 = French, 4 = Italian

OK Save the setting.

Date/time

The date and time are automatically transferred after the first outgoing call. If the date and time are not transferred by your attendant console, you can set them yourself. Your inputs are checked for plausibility. The factory setting for the date and time is zero.

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 03=date/time? OK

◄ ► Select the date format.

OK Save the date format.

Enter the date. Backspace with ◄ to delete.

OK Save the date.

Enter the time. Backspace with ◄ to delete.

OK Save the time.

Activating/deactivating own number display (CLIP/CLIR)

You can choose whether or not your own phone number appears on the other party's display.

► Service? OK ► 2=configuration? OK

and OK

In the case of password protection (→ page 15): enter the password.

► 04=display own No.? OK

The upper display line shows whether your own call number display is activated or deactivated.

OK "Switch over?" is displayed. Confirm the display. If your number was previously displayed at the other party's terminal, it is no longer displayed. If it is wasn't displayed, it now is.

Activating/deactivating remote phone number display (COLP/COLR)

You can choose whether or not to display the calling party's phone number on your video telephone.

► | Service? | OK | ► | 2=configuration? | OK

and OK — In the case of password protection (→ page 15): enter the password.

► | 05=display rmt No.? | OK

The upper display line shows whether the calling party's number (= remote dir. no.) is displayed during a call.

OK — "Switch over?" is displayed. Confirm the display. If the calling party's number was previously displayed, it is no longer displayed. If it is wasn't displayed, it now is.

Enabling/disabling info texts (UUS-1)

You can enable or disable the transmission of info texts. For information on how to send an info text, see → page 57.

► | Service? | OK | ► | 2=configuration? | OK

and OK — In the case of password protection (→ page 15): enter the password.

► | 11=info text? | OK

The upper display line shows whether you the transmission of info texts is enabled or disabled.

OK — "Switch over?" is displayed. Confirm the display. If info texts were previously disabled, they are now enabled. If they were enabled, they are now disabled.

National access code

The national access code (code for connections to other local networks) is necessary in order to correctly display and interpret received phone numbers (ISDN CLIP/COLP features, Glossary → page 126) (e.g. in the case of return call from the caller list).

> Access codes are not set by default. Please set your network provider's access code.

► Service? OK ► 2=configuration? OK

and OK In the case of password protection (→ page 15): enter the password.

► 16=nat. access code? OK

Enter the national access code (max. 4 digits). Backspace with ◄ to delete.

OK Save the setting.

International access code

The international access code (code for connections abroad) is necessary in order to correctly display and interpret received phone numbers (ISDN CLIP/COLP feature, Glossary → page 126) (e.g. in the case of a return call from the caller list).

> International access codes are not set by default. Please set your network provider's international access code.

► | Service? | OK | ► | 2=configuration? | OK

and OK — In the case of password protection (→ page 15): enter the password.

► | 17=int. access code? | OK

Enter the international access code (max. 4 digits). Backspace with ◄ to delete.

OK — Save the setting.

Area code

The area code (code for connections within a local network) is necessary for the comparing phone numbers received via CLIP/COLP and saved phone numbers.

You can set the area code for your ISDN connection (e.g. 030 for Berlin, 0171 for London, 01 for Paris).

► | Service? | OK | ► | 2=configuration? | OK

and OK — In the case of password protection (→ page 15): enter the password.

► | 18=area code? | OK

Enter your own area code (e.g. 089 for Munich) (max. 6 digits). Backspace with ◄ to delete.

OK — Save the setting.

Video connection settings

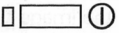
You can set up a video connection with other parties that have a video telephone or, for example, a video telephone PC card. These remote stations must operate in accordance with the video standard for ISDN (H.320). The following options are available:

- You can check your own image when the telephone is idle to see how it appears on the other party's screen during a call.
- You can decide whether or not to use video connection mode before you set up a call to a party who has a video telephone.
- Incoming calls that request a video connection are indicated by a blinking LED on the video on/off key.
- During a video connection, you can mask your own image in or out as a mini-image within the displayed partner image (image in image). This allows you to check your own image.
- You can switch the video image to still image during a video connection in order to have an unmoving image.
- You can use your own video telephone via a remote video telephone to monitor a room or object during your absence.
- You can install appropriate external devices in addition to the internal camera and microphone for handsfree talking.

Camera

You can focus your own image by turning the lens (black metal ring). If you do not wish to be seen, you can place the camera cover in front of the camera's lens (→ page 35).

Overview: keys



On/off: video connection/audio connection only.
In addition, you can use this setting to activate/deactivate your display during a video connection. Note: the camera on your telephone remains active, i.e. the other party continues to receive your image.

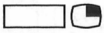
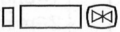


Image in image: mask your own image in or out (only available during a video connection).



Still image: freeze image in incoming (remote image), outgoing (own image) or in both directions (only available during a video connection).

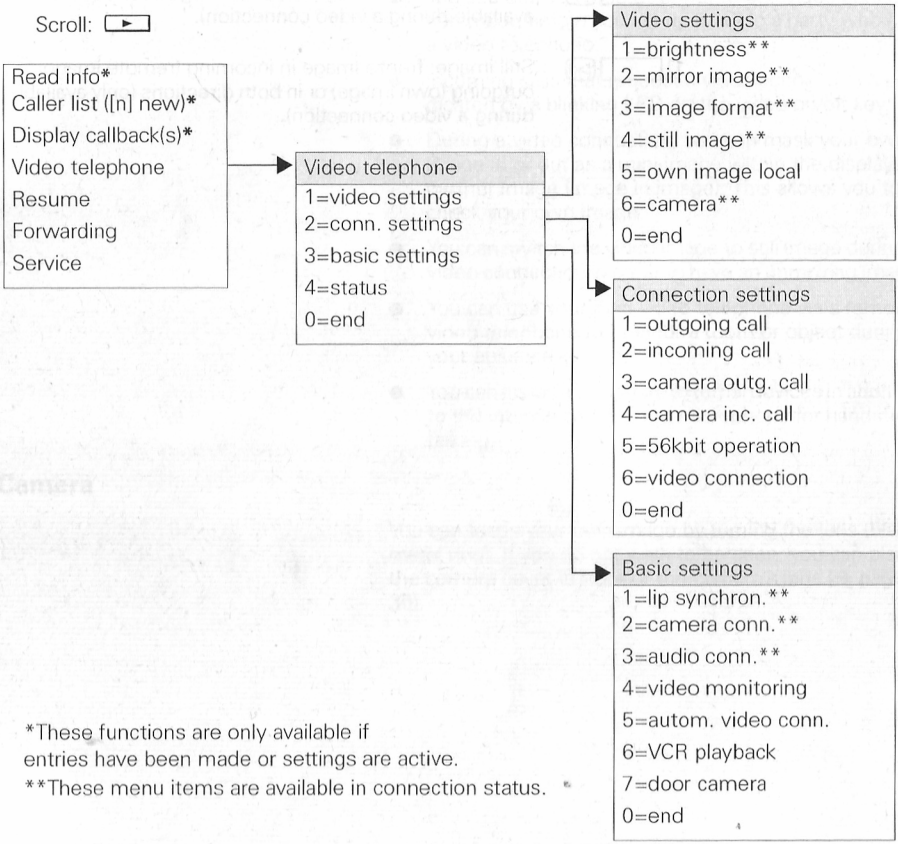
Video connection menu

A separate menu is provided for the video functions.

When the telephone is idle, you can activate this menu by pressing the ◄ ► and OK keys. The menu items are used to preset the image functions.

The menu functions relevant for a connection are available during a call.

The video connection menu has the following structure:



*These functions are only available if entries have been made or settings are active.

**These menu items are available in connection status.

Setting brightness

You can set the brightness of the screen.
You can configure a feature key for this function (→ page 87).

When the telephone is idle

► Video telephone? OK ► 1=video settings? OK

► 1=brightness? OK

During a connection

► Brightness? OK

or ⊕ ⊖ Enter or select a value between 1 and 7.

or ◄ ►

OK Save the setting.

Activating/deactivating mirror image

You can set whether or not a mirror image is displayed (locally only).
You can configure a feature key for this function (→ page 87).

When the telephone is idle

► Video telephone? OK ► 1=video settings? OK

► 2=mirror image? OK

During a connection

► Mirror image? OK

The upper display line shows whether mirror image is activated or deactivated.

◄ ► Select "Switch over?".

OK Save the setting.

Setting the image format

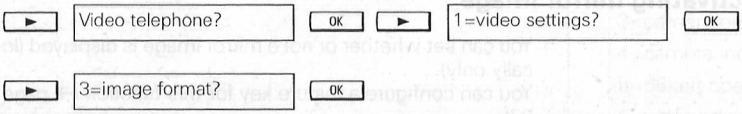
You can choose between a resolution-optimized and a movement-optimized image.

In the case of a resolution-optimized image format, the image data is transferred in CIF format, provided that this format is supported by the other party's telephone. The target resolution is 352 x 288 image points. The image quality is thus higher but there may be delays when representing movement sequences.

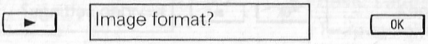
In the case of movement-optimized image format, the image data is transferred in QCIF format. If the other party's telephone transmits CIF-format data, this telephone is switched in such a way that the image data is transferred by this video telephone in QCIF format to your telephone and displayed in QCIF format on your screen. In this setting, your telephone also sends data in QCIF format. In this procedure, the target resolution is 176 x 144 image points. The image quality is thus lower, but fast movement sequences are transferred better.

You can configure a feature key for this function (→ page 87).

When the telephone is idle



During a connection



The upper display line shows which format is set.

◄ ► Select "Switch over?".

OK Save the setting.

Still image

During a video connection, you can freeze the image in the incoming (remote image), outgoing (own image) or in both directions (remote/own image). When the connection is cleared down, the setting is reset to "off".

When the telephone is idle

► Video telephone? OK ► 1=video settings? OK

► 4=still image? OK

During a connection

► Still image? OK

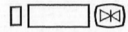
The upper display line shows which image is frozen (remote image, own image or both images).

◄ ► Select which image you want to freeze (1=remote image, 2=own image or 3=remote/own image).

OK Save the setting.

Activating/deactivating still image

The activation and deactivation of the still image involves the remote image, your own image or both images, depending on which you selected.



Press the key shown to activate or deactivate still image.

Own image local

This feature allows you to check your own image while the video telephone is idle.

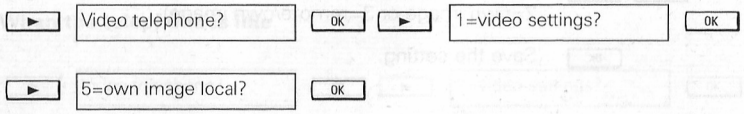
Your own image is always shown as a full-screen image when the telephone is idle. You can switch between "Own image local: coded" and "Own image local: uncoded".

The setting "Own image local: coded" simulates a video connection to another party. You can then see how your own image appears on the other party's screen during a connection. The coded own image is displayed for 64 seconds, as it is displayed on the other party's screen.

The setting "Own image local: uncoded" shows your own image as it is recorded by the video camera.

Your own image display is automatically deactivated after 120 seconds so that the telephone does not operate unnecessarily.

You can configure a feature key for this function (→ page 87).



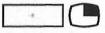
The upper display line shows which format is set.

◄ ► Select "Switch over?".

OK Save the setting.

Masking your own image in/out, picture in picture (PIP)

You can mask your own image in and out during a video connection. The masked-in own image is minimized and displayed within the other party's image (PIP).
You can display the "PIP" in any corner of the screen. To do this, you must press the PIP-key for more than 1 second. As long as the key is held down, the "PIP" jumps from one corner to the next in a clockwise direction. You can deactivate or reactivate image in image with a single keystroke.



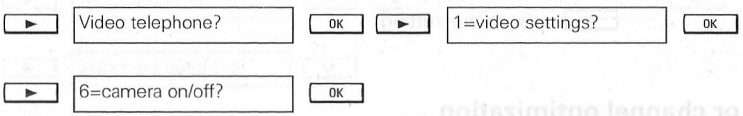
Press the key shown to mask your own image in or out.

Activating/deactivating the camera

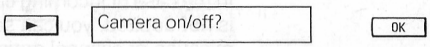
You can set whether or not your camera is displayed. You can thus deactivate or reactivate the display of your image on the other party's screen during a video connection. You can also place the camera cover in front of the lens.

You can configure a feature key for this function (→ page 87).

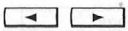
When the telephone is idle



During a connection



The upper display line shows whether the camera is on or off.



Select "Switch over?".

Save the setting.

Setting image or charge optimization

For outgoing calls

You can choose between optimum image quality or minimum cost for video connections, depending on which is more important to you.

In the case of optimum image quality, two ISDN B channels are preferable for video connections (where this is supported by the remote station called).

In the case of channel optimisation, one ISDN B channel is only ever used for video connections. This incurs lower charges. If the remote station does not support this feature, a voice connection is set up instead of a video connection.

You can configure a feature key for this function (→ page 87).

► Video telephone? OK ► 2=conn. settings? OK

► 1=outgoing call? OK

The upper display lines shows which format is set.

◄ ► Select "Switch over?".

OK Save the setting.

Setting image or channel optimization

For incoming calls

In the case of incoming calls, although the charge account is not debited, you can set whether you want image optimisation or channel optimisation. In the case of channel optimisation, one B channel is always kept free for other ISDN connections.

► Video telephone? OK ► 2=conn. settings? OK

► 2=incoming call? OK

The upper display lines shows which format is set.

◄ ► Select "Switch over?".

OK Save the setting.

Automatic camera activation for an outgoing call

You can set your image to appear straightaway on the other party's screen when you set up a video connection.

If this function is on, your image is transferred as soon as the connection is set up. If the function is off, your image is only transferred when you activate the camera. The camera can be activated and deactivated at any time during a connection (→ page 35).

► Video telephone? OK ► 2=conn. settings? OK

► 3=camera outg. call? OK

The upper display line shows whether the function is on or off.

◄ ► Select "Switch over?".

OK Save the setting.

Automatic camera activation for incoming call

You can set whether your image is to be displayed straightaway on the other party's screen if the other party sets up a video connection to you.

If this function is on, your image is transferred as soon as the connection is set up. If this function is off, your image is only transferred when you activate the camera. The camera can be activated and deactivated at any time during a connection (→ page 35).

► Video telephone? OK ► 2=conn. settings? OK

► 4=camera inc.call? OK

The upper display line shows whether the function is on or off.

◄ ► Select "Switch over?".

OK Save the setting.

Activating/deactivating 56kbit operation as the preferred setting

There are two standards for video connections. These standards are identified by the letters V and R on the display of your video telephone.

- **V** stands for "video telephone number".
- **R** stands for "video telephone number in restricted networks (56kbits/s)" (e.g. for video connections in the U.S.A.).

You can set your video telephone to automatically interpret a phone number as soon as it is dialled as a video telephone number (→ page 38) or as a "Restricted Network" phone number or as a "Restricted Network" phone number for the next video connection only.

> If you set restricted network mode (R) permanently, you can toggle between the R, V and voice connection only operating modes with the video on/off key.

[►] Video telephone? [OK] [►] 2=conn. settings? [OK]

[►] 5=56kbit operation? [OK]

The upper display line shows whether 56kbit operation is on or off or activated for the next connection.

[◄] [►] Select the function: 1=off, 2=on or 3=next connection.

[OK] Save the setting.

Activating/deactivating the video connection as the preferred setting

You can set your video telephone to interpret a phone number as soon as it is dialled as a video telephone number. In the display, the phone number dialled is prefixed by "V:".

> You can call "normal" voice telephones at any time when the Preferred video connection setting is active. This is automatically recognised by your video telephone.

You can darken the image display before or during a connection (→ page 9).

► Video telephone? OK ► 2=conn. settings? OK

► 6=video connection? OK

The upper display line shows whether the video connection is on or off.

◄ ► Select "Switch over?".

OK Save the setting.

Lip synchronisation

The lip synchronisation feature ensures that voice and image data are transmitted or received synchronously. This setting can also be made during a connection.

You can configure a feature key for this function (→ page 87).

When the telephone is idle

► Video telephone? OK ► 3=basic settings? OK

► 1=lip synchron.? OK

During a connection

► 1=lip synchron.? OK

The upper display line shows whether lip synchronisation is on or off.

◄ ► Select "Switch over?".

OK Save the setting.

Setting the camera connection

You can set whether you want to use the internal or an external camera. This selection can also be made during a connection.

The external camera must be correctly connected to allow you to switch from the internal to the external camera (→ page 116).

You can configure a feature key for this function (→ page 87).

When the telephone is idle

► Video telephone? OK ► 3=basic settings? OK

► 2=camera conn.? OK

During a connection

► Camera conn.? OK

The upper display line shows whether the internal or an external camera is active.

◄ ► Select "Switch over?".

OK Save the setting.

Operating with a door camera

You can also use your video telephone as a video entrance telephone.
The video telephone and entrance telephone must be connected to an ISDN PABX for this purpose.

If a visitor rings the doorbell, a connection is set up from the entrance telephone to video telephone and the screen is activated. You can now see the visitor.
In this case, the entrance telephone's video camera must be connected to the external video input on the video telephone telephone (→ page 117). The camera connection of the video telephone is automatically switched to external for the duration of the call (→ page 40).

You can configure a feature key for activating or deactivating the door camera function (→ page 87).

► Video telephone? OK ► 3=basic settings? OK

► 7=door camera? OK

The upper display line shows whether entrance telephone mode is on or off.

◄ ► Select "Switch over?".

OK Save the setting.

Setting an internal/external audio connection

You can set whether you want to use the internal handsfree microphone or an external device, such as a video recorder or a microphone connected to the external audio input. Please note that the internal handsfree microphone and the external device are deactivated when the handset is in use.

The external device must be correctly connected for switching from internal to external audio (→ page 116).

You can configure a feature key for this function (→ page 87).

When the telephone is idle

► Video telephone? OK ► 3=basic settings? OK

► 3=audio conn.? OK

During a connection

► Audio conn.? OK

The upper display line shows whether the internal or or an external microphone is active.

◄ ► Select "Switch over?".

OK Save the setting.

Setting video recorder (VCR) playback

You can play back a video film via the video telephone. The video recorder (VCR) must be connected for this purpose to the external video and audio inputs on the video telephone (→ page 117). The image and sound of the video film is then output directly on the video telephone .

Prerequisite: your video telephone is idle.

You can configure a feature key for activating or deactivating VCR playback (→ page 87).

► Video telephone? OK ► 3=basic settings? OK

► 6=VCR playback? OK

To activate or deactivate VCR playback:

► 1=setting? OK

◄ ► Select "Switch over?".

OK Save the setting.

The camera connection must be set to external for the playback via a video recorder:

► 2=camera conn.? OK

◄ ► Select "Switch over?".

OK Save the setting.

Incoming and outgoing calls interrupt the VCR playback.

Video monitoring

You can use your video telephone to monitor a room or object acoustically and optically. DTMF signalling must be set for this purpose on the remote video telephone. The prerequisite for video monitoring is password assignment (see → page 15).

Activating video monitoring

You can configure a feature key for this function (➔ page 87).

► | Video telephone? | OK | ► | 3=basic settings? | OK

► | 4=video monitoring? | OK

The upper display line shows whether video monitoring is on or off.

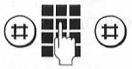
◄ ► Select "Switch over?".

OK Save the setting.

Initiating video monitoring

Call your phone number from a remote video telephone.

Wait until the answering machine responds.



Enter the 4-digit password with a pound character before and after it, e.g. # 1 2 3 4 #.
Video monitoring is activated when this is input correctly.

Neither images nor sound are output on the monitored device. The message "Video monitoring" simply appears on the display.

The connection is cleared down after the third incorrect password input.

Automatic video connection

The automatic video connection has a similar function to video monitoring. The difference is that remote camera activation is not password-protected and the image and audio data of the remote station is also output on your device. You are thus always immediately "in the picture". Please note that automatic video connection is thus only suitable for special purposes, e.g. if you want to set the video telephone as a camera that can be publicly activated.

When activating automatic video connection, automatic call acceptance, if deactivated, is automatically activated (→ page 51). The camera is automatically activated in the case of a video call.

[►] Video telephone? [OK] [►] 3=basic settings? [OK]

[►] 5=autom. video conn.? [OK]

The upper display line shows whether automatic video connection is on or off.

[◄] [►] Select "Switch over?".

[OK] Save the setting.

Checking the status

You can check the current connection settings, e.g.

- screen brightness,
- lip synchronisation,
- camera connection,
- etc.

Please note that the settings displayed in the status menu during a connection differ from those displayed when the telephone is idle.
You can configure a feature key for this function (→ page 87).

[►] Video telephone? [OK] [►] 4=status? [OK]

The status is displayed by scrolling at 5-s intervals.

[◄] [►] or [OK] Scroll manually. Press the Stop key to terminate checking.

Outgoing and incoming calls

Calling a subscriber

Lift the handset.

Enter the phone number.
The phone number is dialled. When the subscriber answers "Consultation?" is displayed and, if applicable, the subscriber's number.

Calling a subscriber with video connection

Depending on which connection setting you selected (→ page 38), you can set up a video connection immediately or you must first press the video on/off key. When the LED for this key lights up, the video telephone is ready to set up a video connection.

You can then set up the video connection in the same way as a straightforward telephone call. All dial options are available.

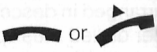
If the two B-channels of the subscriber have different phone numbers, you can enter the two numbers by seperating them with the hash button.
If you enter a phone number completed with hash, only one B-channel is established.

Dialling with the handset on hook

You can enter the phone number (and change it) and then set up the connection with the handset on hook.

Enter the phone number (automatic diallers are possible).
Backspace with ◁ to delete.

Confirm "Dial?" or press the loudspeaker key.
The phone number is dialled. When the subscriber answers, "Consultation?" is displayed and, if applicable, the subscriber's number.



When the subscriber answers, you can talk handsfree (→ page 54) or lift the handset and talk.

Dialling the phone number via the destination dialling key (automatic dialler)

You can use destination dialling keys to dial frequently used phone numbers quickly and easily, without having to re-enter the number continually.

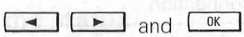
Prerequisite: you must have programmed a destination dialling key (→ page 86).

Press the Destination dialling key. The phone number saved is displayed and immediately dialled.

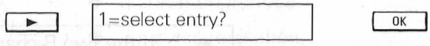
Dialling the phone number from the directory (automatic dialler)

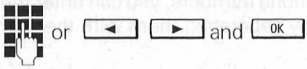
If you stored a subscriber in the video telephone's electronic directory (→ page 77) of the video telephone, you can dial this number by entering the associated name.

Press the directory key.



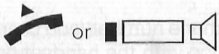
Select the required directory section "General?", "Private?" or "All?", provided these were already created, and confirm.





Enter the name of the subscriber (e.g. Smith: press each of the keys 7, 6, 4, etc. once) or select the subscriber and confirm. The phone number can be deleted by backspacing with ◄ and re-entered with the keypad.

Confirm "Dial?".

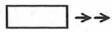


Lift the handset or press the loudspeaker key to talk handsfree. The phone number is dialled.

Redial (automatic dialler)

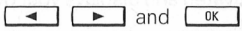
The last ten numbers dialled are automatically saved. If the subscriber you want to call is busy or unavailable, you can initiate redial the next time you attempt to call him/her, without having the re-enter the phone number.
The numbers are arranged in descending chronological order. The last number dialled thus appears in first place on the list.

In the case of a phone number, if the output of an individual phone number (MSN) was prevented, this is identified as "Anonymous" in the list and taken into account during redial.



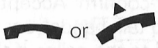
Press the redial key.
The last phone number dialled or the associated name is displayed.

1st option



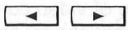
Select the required phone number and confirm.
The phone number can be deleted by backspacing with ◄ and re-entered with the keypad.

Confirm "Dial?".
The phone number is dialled.

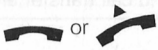


If the subscriber answers, you can talk handsfree (→ page 54)
or lift the handset and talk.

2nd option



Select the required phone number.

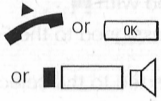


Talk handsfree or lift the handset.

Answering a call

The video telephone rings with a specific call signal (→ page 19). The phone number (e.g. in the case of ISDN) or the name of the party called is displayed. You can conduct the call via the handset or activate the handsfree talking function (→ page 54).
You can also reject the call (→ page 48).

You hear the call signal.
The phone number or the name of the party called is, if possible, displayed.



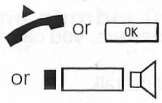
Lift the handset or confirm "Accept call?" or press the loudspeaker key to talk handsfree; the LED lights up.
You are connected to the caller.

Answering a call with video connection

If a caller wants to set up a video connection, the video on/off key blinks.

If you activated "Camera inc. call" (→ page 37), the camera is automatically activated and displays your own image for checking purposes.

You hear the call signal.
The phone number or the name of the party called is, if possible, displayed.



Lift the handset or confirm "Accept call?" or press the loudspeaker key to talk handsfree; the LED lights up.
You are connected to the caller. If the video connection was successfully set up, the image of the other party is displayed.

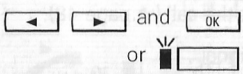
> In the case of video connections, the call processing functions for consultation, toggle, conference and call transfer are not available.

Deflecting a call (CD)

This is not possible with video connections.

You must activate "Forward call" before you can use this function (→ page 63).

You can assign the Forward call function to a key (→ page 87).

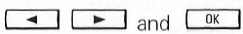


Select "Forward call?" and confirm or
press the Forward call key; the LED blinks.
The phone number of the last call deflection operation is displayed.
The phone number can be deleted by backspacing with ◄ and re-entered with the digit keys.

Confirm; the LED assigned to the Forward call key goes out.
The caller was diverted to the selected number.

Rejecting a call

Prerequisite: incoming call or you are conducting a call.



Select "Reject call?" and confirm.
The caller received an appropriate message from the switch.

The phone number (if known) is transferred to the caller list.

Rejecting all calls (do not disturb)

You can temporarily reject calls to your video telephone, while continuing to make outgoing calls. To do this, you must have assigned the Do not disturb function to a key (→ page 87). The setting is active as long the LED assigned to the key is illuminated.

To activate the function, press the Do not disturb key; the LED lights up.
All calls are rejected. If the Info text function is active (→ page 25), a pre-defined info text (if available) appears on the caller's display.

To deactivate the function, press the Do not disturb key again. The LED goes out.
All calls are signalled once more.

Call waiting (CW)

The Permit call waiting function must be activated on your video telephone (→ page 20).

While you are conducting a call, you are informed of a second call both acoustically and optically. You can accept, reject, ignore or deflect this call without clearing down the first call.
Call waiting is not possible during a conference or consultation call. The caller is rejected.

Accepting call waiting

This is not possible with video connections.

You are conducting a call.
You hear the call waiting signal.

Confirm "Accept call?". You are connected to the second caller. The first call is automatically placed on hold.

You can now toggle between both subscribers (Toggle → page 65) or initiate a conference (→ page 65). If you confirm "Disconnect and return?" on the display, you will terminate the second call and return to the first subscriber.

Rejecting call waiting

You are conducting a call.
You hear the call waiting signal.

◄ ► and OK

Select "Reject call?" and confirm. The caller waiting hears the busy tone.

Deflecting the waiting call

This is not possible with video connections.

You must have configured your video telephone appropriately (→ page 60).

You are conducting a call and would like to deflect the incoming second call to another subscriber.

◄ ► and OK
or ▮

Select "Forward call?" and confirm or
press Forward call; the LED blinks.
The phone number of the last call deflected is displayed.
The number can be deleted by backspacing with ◄ and re-entered with the keypad.

OK

Confirm; the LED assigned to the Forward call key goes out.
The caller was deflected to the selected number.

Deactivating the call signal

You can deactivate the ringer if you do not want to be disturbed by incoming calls. To do this, you must have assigned the Call signal off function to a key (→ page 87). Incoming calls are signalled by a blinking Call signal off LED or key.

▮

Press the Call signal off key to activate the function; the LED lights up.
The calls are now only signalled by a blinking LED.

▯

Press the Call signal off key once more to deactivate the function. The LED goes out.
All calls are signalled once more by the ringer.

Automatic call acceptance

You can switch your video telephone to automatic receive mode. To do this, you must have assigned the Automatic call acceptance function to a key (→ page 87). When the function is activated, the LED assigned to the Automatic call acceptance key is activated as an optical message. The call is connected after the alert character. Call waiting subscribers are not automatically connected.

Press the Autom. call accept. key to activate this function; the LED lights up.
Calls are automatically connected to the loudspeaker. The microphone is deactivated!

Press the Autom. call accept. key once more to deactivate this function. the LED goes out.
Calls are answered in the conventional manner.

If you activate **Autom. video conn.** via **Video telephone/ Basic settings** (→ page 43), Autom. call accept. is simultaneously activated. In the case of a call with a video connection, the camera is automatically switched on.

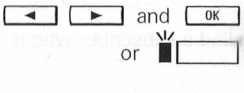
Call list

If a caller does not reach you or if a caller, a waiting call or a return call is rejected, the phone number of the unsuccessful caller is time and date-stamped and entered in the call list.
Up to 20 different phone numbers are saved, and each is displayed with the number of call attempts made (max. 99) and a transferred info text. The most recent entry is displayed first.

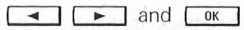
If a new entry is entered in the list, the LED assigned to the Call list key blinks to prompt the user to check the list. To do this, you must have assigned the Call list function to a key (→ page 87).

Activating entries from the call list

Prerequisite: the call list contains, e.g. three new entries; the LED blinks.



Select "Call list (3 new)?" and confirm or press the Call list key; the LED blinks.
The first entry with the number of calls, the phone number and the list position is displayed.



Select "Next entry" or "Previous entry" and confirm. You can only scroll if the list contains more than one call.

◄ ► and OK — Select "Call details?" and confirm for details on a specific entry.
Press the Stop key Stop or OK to terminate the details display and return to the call list.

◄ ► and OK
or Stop
or ■ — Select "End?" and confirm to quit the call list or press the Stop key or
press the Call list key; the LED is permanently illuminated.

Dialling a number from the call list

Prerequisite: a call list entry is selected.

◄ ► — Select "Call?".

OK — Confirm.
The phone number is dialled.

Deleting a number in the call list

Prerequisite: a call list entry is selected.

◄ ► and OK — Select "Clear call?" and confirm.
The entry is deleted and the next number is offered for deletion.

Stop — Press the Stop key to return to the call list.

Automatic return call on busy (CCBS)

This is not possible with video connections.

If you activated return call because the party you wanted to reach was busy, you are automatically called back as soon as the subscriber ends his/her call.
If you are conducting a call when the return call is made, you will be called back when your current call is cleared down.
You can activate up to five return calls. These are stored in the return call list.

Initiating a return call

Prerequisite: you called a subscriber who is currently busy.

OK — Confirm "Callback?".
The message "Will call back" is displayed along with the number of the subscriber.

Answering a return call

Prerequisite: you activated a return call.

You hear the call signal.

OK or

Confirm "Accept callback?" or lift the handset.
The required subscriber is called.

Activating the return call list

Prerequisite: you activated a return call.

◄ ► and OK

Select "Display callback(s)?" and confirm.
The first return call entry is displayed.

◄ ► and OK

Select "Next entry?" or "Previous entry?" and confirm. You can only scroll if there is more than one entry in the return call list.

◄ ► and OK or Stop

To quit the return call list, select "End?" and confirm or press the Stop key.
You quit the return call list.

Deleting an entry in the return call list

Prerequisite: you activated a return call.

◄ ► and OK

Select "Display callback(s)?" and confirm.
The first return call entry is displayed.

◄ ► and OK

Select "Clear callback?" and confirm.
The selected return call entry is deleted and the next return call is offered for deletion.

Stop

Press the Stop key to quit the return call list.

Ending a call – clearing down a connection

When you clear down a connection, the telephone reverts to idle status and the basic menu is displayed.

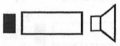
or

Replace the handset or press the loudspeaker key (if activated); the LED goes out.

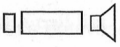
Activating and deactivating open listening

You can activate the loudspeaker if people present in the room want to listen in on your conversation.

You are conducting a call.



Press the loudspeaker key to activate the loudspeaker; the LED lights up.



Press the loudspeaker key once more to deactivate the loudspeaker; the LED goes out.

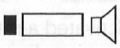
Handsfree talking

You can use the video telephone's handsfree talking device to talk even when the handset is on hook. In this case, the microphone and loudspeaker are active.

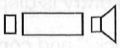
Handsfree talking at connection setup

You can talk handsfree as soon as you accept a call.

Prerequisite: the handset is on hook.



Press the loudspeaker key to activate handsfree mode; the LED lights up. The loudspeaker and microphone are activated.



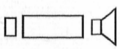
Press the loudspeaker key once more when the call is over; the LED goes out.
The connection is cleared down, the loudspeaker and microphone are deactivated.

Handsfree talking during an ongoing call

You can switch to handsfree talking when conducting a call via the handset.

You are conducting a call.

Hold the loudspeaker key down whilst simultaneously replacing the handset to activate handsfree talking; the LED lights up.
The loudspeaker and microphone are activated.

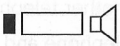


Press the loudspeaker key when the call is over; the LED goes out.
The connection is cleared down, the loudspeaker and microphone are deactivated.

Switching from handsfree talking to open listening

Prerequisite: you are conducting a call, the handset is on hook and the loudspeaker and microphone are activated.

Lift the handset. The microphone and loudspeaker are deactivated.

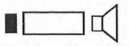


Press the loudspeaker key; the LED lights up.

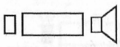
To clear down the call: replace the handset. The call is cleared down and the loudspeaker is deactivated.

Switching from open listening to handsfree talking

Prerequisite: you are conducting a call, the handset is off hook and the loudspeaker is activated; the LED lights up.



To activate handsfree talking, hold the loudspeaker key down whilst simultaneously replacing the handset; the LED lights up.
The microphone is activated.



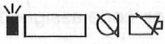
Press the loudspeaker key when the call is over; the LED goes out.
The call is cleared down and the loudspeaker and microphone are deactivated.

Mute (consultation in the room)

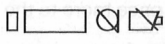
If you want to temporarily prevent the other party from hearing, e.g. a consultation in the room, you can "mute" your telephone. Depending on the operating mode,

- the handset microphone or
- the handsfree talking microphone is deactivated.

You are conducting a call.



Press the mute key to activate the mute function; the LED blinks.
The microphone is deactivated.



Press the mute key once more to deactivate the mute function; the LED goes out.
The microphone is re-activated.

The mute key deactivates both the video and audio options in the outgoing direction.
This means the other party can neither hear nor see you. This also applies for external inputs, for example, if you connected an external microphone and/or an external camera.

Suspending a call (TP)

This is not possible with video connections.

You can temporarily suspend a call, in order to

- re-activate it later,
- resume it at another telephone,
- unplug your telephone and plug it into a different socket.

The call may be suspended for a maximum of three minutes. The call is cleared down if the three minutes are exceeded.

You are conducting a call.

◄ ► and OK — Select "Suspend?" and confirm.

If prompted by the display: enter the connection code, e.g. 1. The connection code is a number assigned to the suspended call and which can be used later for picking up the call.

OK and — Confirm and replace the handset.

Picking up a suspended call

This is not possible with video connections.

You can pick up a suspended call both from your own telephone and from a different telephone, provided that this telephone is connected to the same bus.

Prerequisite: a call is suspended and you are conducting a call.

◄ ► and OK — Select "Resume?" and confirm.

Enter the connection code assigned.

or OK — Lift the handset or confirm.
You are connected once more to the suspended subscriber.

Malicious call identification (MCID)

This is not possible with video connections.

You can have the origin of a call determined in order to identify a malicious caller. This function must be available and requested from your network provider. Otherwise this service is rejected with "Identification not poss.". You can use this function in the following situations:

- during a call.
- you hear the call signal, you lift the handset, the caller hangs up. Once the caller has replaced the handset, you have 20 s to initiate this function.
- when the call is over. The anonymous caller replaces the handset. You now have 30 s to initiate the function.

You must not under any circumstances replace the handset until the caller has been identified.

Handset is lifted.

Press the Call monitoring key; the LED blinks. Prerequisite: you programmed this key (→ page 87). If identification is possible, "Identification initiated" is displayed. If identification is not possible or the function was initiated too late, "Identification not poss." is displayed.

You can replace the handset once either of the above messages is displayed.

Info texts (UUS-1)

ISDN terminals can exchange short info texts during connection setup and cleardown. A list of pre-defined, fixed info texts is available.

Sending an info text

Info texts are (if allowed) sent in the following situations:

- in the case of an outgoing call (if you are the caller),
- in the case of an incoming call (if you are called),
- in the case of an incoming call when "Do not disturb" is activated (see → page 49),
- in the case of an incoming call when a call is in progress and call waiting is deactivated (see → page 50),
- in the case of an incoming call which you reject (see → page 48),
- when the call is over.

The following texts are available if you assign Send info text to a feature key (→ page 87):

- Please call back tomorrow
- I will call back later
- I will call again tomorrow
- I am currently on vacation
- Appointment time OK.

Select one of the above with ◄ ► and confirm with OK

Prerequisite: the Info text function is active (→ page 25).

Press the Send info text key.

Reading an info text

If an info text is received in response to an outgoing call, the LED assigned to the Read info text key blinks (providing you programmed the key → page 87). The message "Info" is displayed. If a number of info texts were received while you were absent, you can read them via the call list (→ page 51).

Prerequisite: the Info text function is active (→ page 25).

Press the Read info text key; the LED blinks.
The message is displayed on both lines of the display.

To delete the display, press the Send info text key once more; the LED goes out.

DTMF signalling/keypad functions

Sending DTMF signals

If a connection is set up, you can use the dialling keypad to transmit DTMF signals (tones with different frequencies → page 128), e.g. to control an answering machine.

Prerequisite: a connection is set up.

Enter control digits. The digits entered are identified on the display by a preceding "D".

Sending keypad info elements

The keypad functionality is used to control features in call processing systems or PABXs. For more information, refer to the description of your call processing system or PABX.

Press the DTMF signals key to send the keypad info elements. Prerequisite: this key must be programmed (→ page 87).
You can send keypad info elements via the dialling keypad as long as this key is active (LED on).

Forwarding calls

Call forwarding (CD/CFB/CFNR/CFU)

You can forward calls for each of your telephone's phone number to another telephone.

The following three forwarding types are available:

- Immediate: call is immediately forwarded, no signal.
- Deferred: call forwarded after 20 s.
- On busy: call forwarded when telephone is busy.

A number of forwarding types can be active for each phone number (MSN) (e.g. a call is forwarded if busy to a different number than in the case of deferral).

Programming and activating call forwarding for MSN 1–3

The phone numbers MSN 1 to MSN 3 are intended for the video telephone; in this case the telephone and video telephone service is only forwarded. Connection attempts with other service recognition, e.g. fax are not forwarded.

Prerequisite: forwarding is activated on a configuration-specific basis.

◄ ► and OK — Select "Forwarding?" and confirm.

◄ ► and OK — If a number of phone numbers is programmed for your telephone, select the phone number to be forwarded and confirm. In this case, (=on) means: forwarding is activated for this phone number.

◄ ► and OK — Select forwarding type "Immediately", "Deferred" or "if busy" and confirm.
The phone number of the last call forwarding action is provided for dialling.
You can delete the phone number by backspacing with ◄ and enter it with ▦ or using an automatic dialler.

OK — Confirm.
Call forwarding is active.

The costs incurred in the case of call forwarding (e.g. autotelephone/mobile phone) are neither displayed on the video telephone nor registered in the summation meter.
The caller only pays for the part of the connection up to your terminal. The costs for the connection from your terminal to the forwarding destination are charged to you.

Programming and activating call forwarding for other devices

If you are using devices for which call forwarding cannot be programmed (e.g. fax or answering machine) on the same S_0 bus, you can set call forwarding for "all services" for the phone numbers (MSN) of these devices.

◄ ► and OK — Select "Forwarding?" and confirm.

◄ ► and OK — Select "4=others?" and confirm.
The phone number for "others?" is assigned to the last phone number (MSN) by default.
You can delete the phone number (MSN) by backspacing with ◄ and enter it with ▦ or using an automatic dialler.

OK — Confirm.

◄ ► and OK — Select the forwarding type "Immediately", "Deferred" or "if busy" and confirm.
The phone number of the last call forwarding action (number to which the call is to be forwarded) is provided for dialling.
You can delete the phone number by backspacing with ◄ and enter it with ▦ or using an automatic dialler.

OK — Confirm.
Call forwarding is active for all calls.

> The phone number (MSN) "4=others?" must not be the same as one of the phone numbers (MSN 1–3) programmed in the device.

Changing active call forwarding

Prerequisite: call forwarding is active.

OK — Confirm "Forwarding?".

◄ ► and OK — If several phone numbers (MSN) are programmed for your telephone, select the phone number for which forwarding is to be changed and confirm. In this case, (=on) means: forwarding is active for this phone number.

◄ ► and OK — Select "New/change destination?" and confirm.

◄ ► and OK — Select the forwarding type "Immediately", "Deferred" or "if busy" and confirm.
The phone number of the last call forwarding action (number to which the call is to be forwarded) is provided for dialling.

◄ and

You can delete the phone number (MSN) by backspacing with ◄ and enter it with ▦ or using an automatic dialler.

OK

Confirm.
Call forwarding is active to the new destination.

Deactivating active call forwarding

Prerequisite: call forwarding is active.

OK

Confirm "Forwarding?".

◄ ► and OK

Select the phone number to be deactivated for forwarding and confirm. In this case, (=on) means: forwarding is active for this phone number.

◄ ► and OK

Select "Deactivate?" and confirm.

◄ ► and OK

Select and confirm one or all of the forwarding types active for this number.
Call forwarding is deactivated.

Activating/deactivating call forwarding(s) with fast activation

A user-friendly switch function is available for activating and deactivating call forwarding quickly. This allows you to activate or deactivate call forwarding with preprogrammed parameters.
Prerequisite: call forwarding was already programmed once in the usual manner for the individual IDs.

Activating:

◄ ► and OK

select "Forwarding?" and confirm.

1, 2 ABC, 3 DEF or 4 GHI

Enter the number for 1=first, 2=second, 3=third or 4=other phone number (MSN).
Call forwarding is activated with all parameters.

Deactivating:

Prerequisite: call forwarding is active.

OK — Confirm "Forwarding?".

1, 2 ABC, 3 DEF or 4 GHI — Enter the number for 1=first, 2=second, 3=third or 4=other phone number (MSN).
Call forwarding is deactivated with all parameters.

Deactivating all call forwarding instructions

Prerequisite: call forwarding is active.

OK — Confirm "Forwarding?"

0 or ◄ ► and OK — Enter the number for "0=Forwarding(s) off?" or select "0=Forwarding(s) on?" and confirm.
All call forwarding instructions are deactivated.

Permitting/blocking call deflection(CD)

This is not possible with video connections.

You can manually deflect incoming calls (incl. waiting calls) to another phone number once by pressing a key when the call is signalled (➔ page 48).

► Service? OK ► 2=configuration? OK

and OK — In the case of password protection (➔ page 15): enter the password.

► 09=deflect call? OK

The upper display line shows whether call deflection is on or off.

◄ ► — Select "Switch over?".

OK — Save the setting. If call deflection was previously deactivated, it is now activated. If it was activated, it is now deactivated.

Conducting a call with more than one subscriber

Calling a second subscriber (HOLD)

This is not possible with video connections.

During a call, you can hold a conference with another subscriber.
The first call is placed on hold during the conference.

Prerequisite: you are conducting a call and there is no video connection set up.

OK — Confirm "Consultation".

and OK — Enter the phone number of the consultation partner and confirm "Dial?".

On-hook signal:

When the remote station picks up, the first party is placed on hold:

Conduct the consultation call.

◄ ► and OK — If the remote station does not pick up:

select "Disconnect and return" or "Dial again" and confirm.

Busy signal:

◄ ► and OK — Select "Callback" or "No callback" and confirm.

Terminating a consultation call

When you terminate a consultation call, you switch back to the subscriber on hold.

◄ ► and OK — Select "Disconnect and return" and confirm.
The consultation call is cleared down and the call to the subscriber on hold is reconnected.

Toggling between two subscribers

This is not possible with video connections.

You toggle between two parties during a consultation or conference call. The party on hold cannot hear your conversation.

Prerequisite: you are conducting a call and there is no video connection set up.

◄ ► and OK or

Select "Toggle?" and confirm or press the Toggle feature key you programmed.
Subscriber 2 is placed on hold, the call is switched to subscriber 1.

OK or

Confirm "Toggle?" or press the Toggle key.
Subscriber 1 is placed on hold, the call is switched to subscriber 2.

> The subscriber number is only displayed if it is known. Otherwise subscriber 1 and/or subscriber 2 is displayed. Phone numbers are not displayed, e.g. in the case of incoming calls with call number suppression or presently in the case of callers with an analog connection.

Three-party conference (3PTY)

This is not possible with video connections.

In the case of a conference, all subscribers can hear and speak to each other.
During a consultation, you can connect all subscribers to a three-party conference.
While you are connected to a calling party, you can initiate a conference with a third subscriber.

Prerequisite: the three-party conference is activated on a configuration-specific basis.

Switching from consultation to conference

Prerequisite: you are conducting a call and there is no video connection set up.

Initiating a conference

◄ ► and OK or

Select "Conference?" and confirm or press the Conference key; the LED blinks.

Enter the phone number of the subscriber you want to add to the conference.

OK

Select "Dial?".

OK

When the subscriber answers, press "Conference?". The LED associated with the Conference key lights up.
You are connected to both subscribers in a conference call.

Clearing down a conference

You can remove one subscriber or toggle between both subscribers.
To clear down the entire conference, replace the handset.

Clearing down a conference by removing a subscriber

Prerequisite: you are conducting a conference call.

OK

Confirm "Disconnect and return?".

◄ ► and OK

Select the subscriber you want to remove and confirm.
The conference is cleared down, the selected subscriber is removed and you can continue to talk to the other subscriber.

The subscriber number is only displayed if it is known. Otherwise subscriber 1 and/or subscriber 2 is displayed. Phone numbers are not displayed, e.g. in the case of incoming calls with call number suppression or presently in the case of callers with an analog connection.

Clearing down a conference and toggling between subscribers

Prerequisite: you are conducting a conference call.

◄ ► and OK or ▮ Select "Toggle?" and confirm or press the Toggle key. Prerequisite: this key is programmed (→ page 87).

◄ ► and OK Select the subscriber you want to toggle to and confirm. The conference is cleared down, the call is switched to the selected subscriber and the other subscriber is placed on hold.

> The subscriber number is only displayed if it is known. Otherwise subscriber 1 and/or subscriber 2 is displayed. Phone numbers are not displayed, e.g. in the case of incoming calls with call number suppression or presently in the case of callers with an analog connection.

Removing yourself from a conference

Prerequisite: you are conducting a conference call.

◄ ► and OK or ▮ Select "Call transfer?" and confirm or press the Call transfer key. Prerequisite: this key is programmed (→ page 87). The subscribers are connected to each other.

or ▮ Replace the handset to press the loudspeaker key.

Transferring a call (ECT)

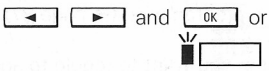
This is not possible with video connections.

During a call, you can dial another subscriber and connect him/her to the first party.
During a conference or consultation call, you can remove yourself from the call. The other two parties remain connected.

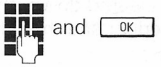
Prerequisite: transfer call is activated on a configuration-specific basis.

Calling a second subscriber and transferring a call

Prerequisite: you are conducting a call and there is no video connection set up.



Select "Call transfer?" and confirm or press the Call transfer key; the LED blinks.
Prerequisite: this key is programmed → page 87.

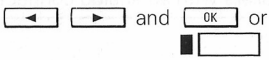


Enter the phone number of the subscriber to whom you want to transfer the call and press "Dial?".

Replace the handset or press the loudspeaker key.

Transferring a call in consultation mode

Prerequisite: you are conducting a consultation call.



Select "Call transfer?" and confirm or press the Call transfer key.
The subscribers are connected to each other.

Replace the handset or press the loudspeaker key.

Transferring a call in conference mode (removing yourself from a conference)

Prerequisite: you are conducting a conference call.

Select "Call transfer?" and confirm or press the Call transfer key.
The subscribers are connected to each other.

Replace the handset or press the loudspeaker key.

The call charge display

You video telephone is equipped with two meters:

- individual meter – the costs for each individual call are registered and displayed,
- summation meter – the costs for consecutive calls (monetary amounts or units) are added up.

You can activate or deactivate the display of both meters. You can define whether currency amounts or units are displayed.

Activating/deactivating call charge display (AOC-D/AOC-E)

There are two types of call charge display:

- display after a connection (charge rate information B),
- display during and after a connection (charge rate information A).

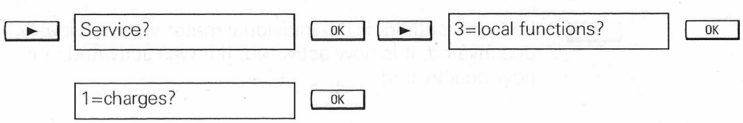
You can call up the current call charges during a call. The charge is displayed for approx. 3.5 s.

Press the Charge display key to call up the charges. Prerequisite: you programmed this key (➔ page 87).
The charges incurred up to this point and the charges during the call are displayed for approx. 3.5 s.

The activation of call charges with the Charge display key is also possible when "Charge display off" was displayed.

Setting the currency and charge rate for call charges

Before you activate the individual meter, you should set these values correctly.



and OK

In the case of password protection (➔ page 15): enter the password.

1=indiv. meter? OK

OK Confirm "Program?".

OK Confirm "Currency?".

Enter the number of decimal places for the currency. The possible values are between 0 and 4. The default is 2.

OK Save the setting.

Enter the charge rate factor that your network provider charges per unit.

OK Save the setting.

Activate/deactivate the individual meter

If the individual meter is on and depending on charge rate information A or B (during and after or only after each toll call) the costs incurred for an individual call are displayed for approx. 3.5 seconds.

► Service? OK ► 3=local functions? OK

1=charges? OK

and OK In the case of password protection (→ page 15): enter the password.

1=indiv. meter? OK

The upper display line shows whether the individual meter is on or off.

◄ ► Select "Switch over?".

OK Save the setting. If the individual meter was previously deactivated, it is now activated. If it was activated, it is now deactivated.

Activating/deactivating the summation meter for call charges

If the summation meter is on and depending on charge rate information A or B (during and after or only after each toll call) the costs incurred for an individual call are displayed for approx. 3.5 seconds.

► | Service? | OK | ► | 3=local functions? | OK

1=charges? | OK

and OK

In the case of password protection (→ page 15): enter the password.

► | 2=summation meter? | OK

The upper display line shows whether the summation meter is on or off.

◄ ► Select "Switch over?".

OK Save the setting. If the summation meter was previously deactivated, it is now activated. If it was activated, it is now deactivated.

Differences can occur between the summation meter and the individual meter of the attendant console. The network provider's call charge meter is definitive for billing purposes.

Resetting the summation meter

You can reset the summation meter at any time. The summation meter then restarts counting from 0.

► | Service? | OK | ► | 3=local functions? | OK

1=charges? | OK

and OK

In the case of password protection (→ page 15): enter the password.

► | 2=summation meter? | OK

OK Confirm "Clear sum?".

Locking the telephone

Locks

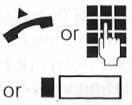
You can protect your video telephone from unauthorized use by means of lock functions.

- **Direct station selection** only permits the preset DSS number to be dialled (activating direct station selection: ➔ Page 76).
- **Total lock** only permits the two programmed emergency numbers to be dialled (programming emergency numbers: ➔ Page 75, activate the total lock: ➔ Page 75).
- **Dialling restriction through lockout lists.** You can lock up to nine different number ranges (➔ Page 73). No numbers that begin with a number sequence corresponding to a a sequence in a lockout list can be dialled (e.g. International code: No number that begins with 00 can be dialled).

Direct station selection only

Prerequisite: Direct station selection is activated (➔ Page 76).

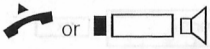
"Direct stn selection" appears in the status bar of the display.



Lift up the handset or actuate any dial key or feature key.
The programmed direct station selection number is selected.

Programmed lock number cannot be dialled

Prerequisite: The lock numbers are programmed and the lock function is activated.



Lift up the handset or press the Loudspeaker key.

Enter the unlocked number.

An acoustic alarm is signalled and "Phone No. locked" appears in the display if a locked number is entered.

Emergency number selection only (total lock)

Only the emergency numbers that you entered previously can be dialled in this locked state (→ Page 7).

Prerequisite: The Total lock function is activated.

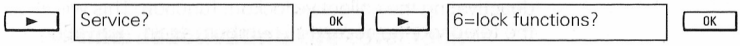
Lift up the handset or actuate the Loudspeaker key.

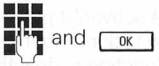
Enter the emergency number.

An acoustic alarm is signalled and "Telephone locked" appears in the display if an incorrect digit is entered or an automatic dialler key is actuated.

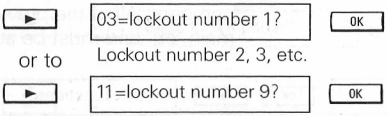
Program and activate lock numbers

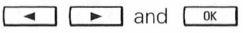
You can program certain numbers ranges that cannot be dialled on your video phone. These could be, for example, international numbers or chargeable recorded announcement services. You can program up to nine lock numbers in total.





If password protection is activated (→ Page 15): Enter password.





Select "Change".

Enter the desired phone number. Backspace with ◄.
To delete the entire lock number, press ◄ until no more digits are displayed.

Store the setting. The lock is automatically activated.

Activating and deactivating lock numbers

You can activate and deactivate programmed lock numbers at any time.

► Service? OK ► 6=lock functions? OK

and OK

If password protection is activated (→ Page 15): Enter the password.

► 03=lockout number 1? OK

or to Lockout number 2, 3 etc.

► 11=lockout number 9? OK

◄ ► and OK

Select "Change" and note the display in the top display bar.

OK

If "locked" is displayed: Deactivate the lock number.
If "unlocked" is displayed: Activate the lock number.

Activating/deactivating collective lockout

You can deactivate all activated lock numbers at once by deactivating the collective lockout function. This will allow the telephone to access all numbers again. Activating the collective lockout function activates exactly the same lock numbers that were activated prior to the deactivation of the function. If new lock numbers are entered when the collective lockout function is deactivated, this function is automatically activated to activate the newly entered lock numbers. All of the previously entered lock numbers remain "off" and must be activated again as required.

► Service? OK ► 6=lock functions? OK

und OK

If password protection is activated (→ Page 15): Enter the password.

► 14=collective lockout? OK

The top display bar displays whether the collective lockout function is activated or deactivated.

◄ ►

Select "Switch over?".

OK

Store the setting. The collective lockout function is activated now if it was deactivated prior to this. If it was activated, it is now deactivated.

Programming emergency numbers

Emergency numbers can be dialled even if the collective lockout function of the telephone is activated.
You can alter emergency numbers that you previously entered (→ Page 7).

► Service? OK ► 6=lock functions? OK

and OK

If password protection is activated (→ Page 15): Enter the password.

► 12=emergency number 1?

or

► 13=emergency number 2?

◄ ► and OK

Select "Change".

Delete the old emergency number with ◄. Enter the new number.

OK

Store the setting.

Activating/deactivating the total lock

You can protect your video telephone from unauthorized use by means of lock functions. Only emergency numbers can be dialled in the locked state.

► Service? OK ► 6=lock functions? OK

and OK

If password protection is activated (→ Page 15): Enter the password.

► 01=total lock? OK

The top display bar displays whether the collective lockout function is activated or deactivated.

◄ ►

Select "Switch over?".

OK

Store the setting. The collective lockout function is activated now if it was deactivated prior to this. If it was activate, it is now deactivated.

Locking the telephone with direct station selection

The telephone is locked if the direct station selection function is activated. The entered direct station selection number is dialled by pressing any dial or feature key and by lifting up the headset. Only the main menu is available which you can use to deactivate the direct station selection function with the help of the service menu.

► | Service? | OK | ► | 6=lock functions? | OK

and OK

If password protection is activated (→ Page 15): Enter the password.

► | 02=direct stn select.? | OK

The top display bar displays whether the direct station selection function is activated or deactivated.

◄ ► and OK

Select "Switch over?"

Enter the desired DSS number. Backspace with ◄. To delete the entire DSS number, press ◄ until no more digits are displayed.

OK

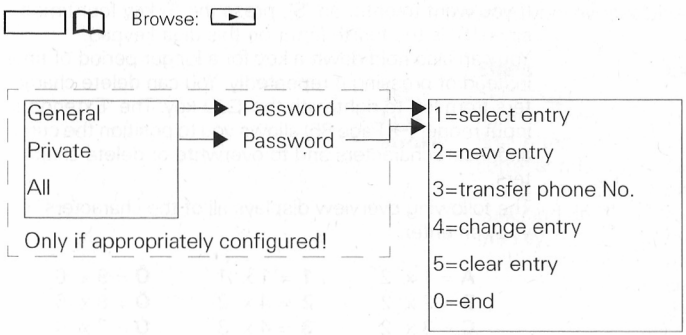
Store the setting. The direct station selection function is activated now if it was deactivated prior to this. If it was activated, it is now deactivated.

Activating the direct station selection function is ineffective if a DSS number is not entered.

The directory

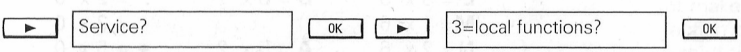
You can store up to 129 entries in an electronic telephone directory. The entries comprise phone numbers (max. 24 digits) and names (max. 18 characters).

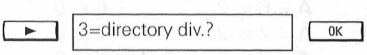
The names are displayed alphabetically when you call up the directory. You can search for names quite easily and dial a number directly from the directory (→ Page 46).

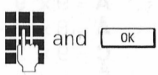


Activating/deactivating the general/private division of the directory

You can divide the directory of your video phone into general and private sections. The private section of the directory can only be accessed upon entry of the password if you have assigned a password (→ Page 15).







If password protection is activated (→ Page 15): Enter password.

The top display bar displays whether the directory division function is activated or deactivated.

◄ ► Select "Switch over?"

OK Store the setting. The directory division function is activated now if it was deactivated prior to this. If it was activated, it is deactivated now.

Entering characters via the dialling keypad

You enter the names of subscribers via the dialling keypad. If the display prompts you to enter a name, the letters and special characters that are printed on the digit keys in the dialling keypad must be used.
If, for example, you want to enter an "A", press the (2) key once since "A" is the first letter on the corresponding digit keypad.
If you want to enter a "B", press the (2) key twice since "B" is the second letter on this digit keypad.
If you want to enter an "S", press the (7) key four times since "S" is the fourth letter on this digit keypad.
You can also hold down a key for a longer period of time instead of pressing it repeatedly. You can delete characters from left to right with the ◄ key. The "Extended input mode" (→ Page 85) allows you to position the cursor and insert characters and to overwrite or delete characters.

The following overview displays all of the characters that you can enter:

A = 1 x 2	**1** = 1 x 1	**Õ** = 9 x 6
B = 2 x 2	**2** = 4 x 2	**Ò** = 8 x 6
C = 3 x 2	**3** = 4 x 3	**Ó** = 7 x 6
D = 1 x 3	**4** = 4 x 4	**Ø** = 8 x 9
E = 2 x 3	**5** = 4 x 5	**Û** = 8 x 8
F = 3 x 3	**6** = 4 x 6	**Ú** = 6 x 8
G = 1 x 4	**7** = 5 x 7	**Ù** = 7 x 8
H = 2 x 4	**8** = 4 x 8	**Ü** = 5 x 8
I = 3 x 4	**9** = 5 x 9	**Ÿ** = 6 x 9
J = 1 x 5	**0** = 4 x 0	
K = 2 x 5		␣ = 1 x 0
L = 3 x 5	**ß** = 6 x 7	. = 2 x 0
M = 1 x 6		- = 3 x 0
N = 2 x 6	**Ä** = 5 x 2	+ = 5 x 0
O = 3 x 6	**À** = 6 x 2	, = 6 x 0
P = 1 x 7	**Â** = 7 x 2	: = 7 x 0
Q = 2 x 7	**Æ** = 7 x 9	? = 8 x 0
R = 3 x 7	**Å** = 9 x 9	! = 9 x 0
S = 4 x 7	**Ã** = 8 x 2	* = 1 x *
T = 1 x 8	**Ç** = 9 x 2	/ = 2 x *
U = 2 x 8	**Ë** = 5 x 3	(= 3 x *
V = 3 x 8	**É** = 6 x 3	) = 4 x *
W = 1 x 9	**È** = 7 x 3	< = 5 x *
X = 2 x 9	**Ê** = 8 x 3	= = 6 x *
Y = 3 x 9	**Ï** = 5 x 4	> = 7 x *
Z = 4 x 9	**Î** = 6 x 4	& = 8 x *
	Ñ = 6 x 6	@ = 9 x *
	Ö = 5 x 6	# = 1 x #

Selecting an entry from the directory

You must select the required entry from the directory to dial a number from the directory (→ Page 46), to change the stored number of a subscriber (→ Page 81) or to delete a subscriber from the directory (→ Page 84).

The letters and special characters are printed on the digit in the dialling keypad must be used. The input method differs, however, to the method used for entering names.

The following overview explains the input method.

	Effect	Example
1st key-stroke:	Selects all names whose first letter corresponds to a character specified on the key.	To select the name Smith, press PQRS 7 once. All names starting with P, Q, R or S are selected. The first of these entries is displayed. Use ◄ and ► to scroll through the selected entries or make a more precise selection by pressing the key a second time.
2nd key-stroke:	Selects all names whose second letter corresponds to a character specified on the key.	To select the second letter in the name "Smith", press MNO 6 once. This restricts the previous selection to names with an M, N or O in the second position. The first of these entries is displayed. Again, you can scroll through the selection of make a more precise selection by pressing the key a third time.
3rd key-stroke:	Selects all names whose third letter correspond to a character printed on the key.	To select the third letter in the name "Smith", press GHI 4 once. This restricts the previous selection to names with a G, H or I in the third position.

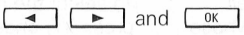
The entry "Smith" is, therefore, selected with the digit sequence 7 - 6 - 4 - 8- 4. The permissible selection is limited to six positions. This means that in names containing more than six characters, only the first three positions can be entered. The remaining characters cannot be selected.

The selection method generally produces the required entry after two or three keystrokes. Additional keystrokes are possible (up to 6).

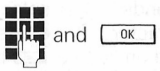
Storing a new subscriber

You can store up to 127 subscribers in the directory.
You can also assign a code letter to the phone number of a subscriber to mark it as a a video connection number, a DTMF number sequence or to identify it for 56-kBit operation.

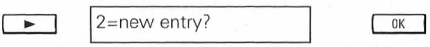
Call up the directory menu. The LED illuminates.



If you have divided your directory into general and private sections: Select "General?" or "Private?" or "All?" and confirm your selection.



If you have selected "Private?" or "All?" and password protection is activated (→ Page 15): Enter the password and confirm it.



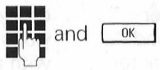
The "new entry" option is displayed first if the directory does not contain any entries yet.

If you want to assign a code letter to the phone number of a subscriber:

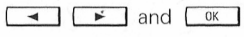
Select the code letter "V" for video connection. Select "R" for 56-kBit operation by pressing the key a second time. Select "D" for DTMF number sequence by pressing the key a third time.

Enter the phone number of the subscriber. Backspace with ◄.

Conclude the entry.



Enter the name of the subscriber. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78). Backspace with ◄.



If you have divided your directory into general and private sections: Define the section of the directory in which the subscriber is to be stored: Select "Private?" or "General?". The subscriber is stored once OK has been pressed.

Changing stored subscribers

You can edit stored subscriber data.

Call up the directory menu.

◄ ► and OK — If you have divided your directory into general and private sections: Select "General?" or "Private?" or "All?

and OK — If you have selected "Private?" or "All?" and password protection is activated (→ Page 15): Enter the password.

► 4=change entry? OK

This selection option is only available if the directory already contains entries.

◄ ► and OK — Enter the name or select the required entry.

or

and OK — Enter the names of the relevant subscriber to call up the associated directory entry quickly. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78).

OK — Confirm "Change?"

and OK — Change the subscriber's phone number. Backspace with ◄.

and OK — Change the name of the subscriber. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78). Backspace with ◄.

◄ ► and OK — If you have divided your directory into general and private sections: Define the section of the directory in which the subscriber is to be stored: Select "Private?" or "General?". The modified subscriber data is stored once OK has been pressed.

◄ ► and OK — Select "Cancel?" if you do not wish to change any further entries.

Transferring phone numbers to the directory

You can transfer phone numbers from other memory areas of the video phone into the directory. You can transfer phone numbers from the following areas when the phone is in the idle state:

- redial list,
- call list,
- answering machine list,
- destination dialling key.

During a call, you can transfer the caller's phone number shown in the display into the directory.

Transferring a phone number when the phone is in the idle state

Call up the directory menu.

◄ ► and OK — If you have divided your directory into general and private sections: Select "General?" or "Private?" or "All?"

and OK — If you have selected "Private?" or "All?" and password protection is activated (→ Page 15): Enter the password.

► — 3=transfer phone No.? — OK

◄ ► and OK — Select the memory area from which a phone number is to be transferred.

◄ ► and OK — If you have selected "1=call list?", "2=answering machine" or "3=redial list": Select the desired entry from the relevant list.

or

If you have selected "4=dest. dialling key?": Press the desired destination dialling key.

OK — Transfer the displayed phone number. The phone number can also be edited.

and OK — Enter the name of the subscriber or edit it. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78). Backspace with ◄.

◄ ► and OK — If you have divided your directory into general and private sections: Define the section of the directory in which the subscriber is to be stored: Select "Private?" or "General?". The directory entry is stored once OK has been pressed.

Transferring a phone number during a call

Call up the directory menu.

◄ ► and OK — If you have divided your directory into general and private sections: Select "General?" or "Private?" or "All?".

and OK — If you have selected "Private?" or "All?" and password protection is activated (→ Page 15): Enter the password.

► — 3=transfer phone No? — OK

OK — Transfer the displayed phone number. The phone number can also be edited!

and OK — Enter the name of the subscriber or edit it. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78). Backspace with ◄.

◄ ► and OK — If you have divided your directory into general and private sections: Define the section of the directory in which the subscriber is to be stored: Select "Private?" or "General?". The directory entry is stored once OK has been pressed.

Deleting a subscriber from the directory

You can delete existing entries from the directory.

Call up the directory menu.

◄ ► and OK — If you have divided your directory into general and private sections: Select "General?" or "Private?" or "All?".

and OK — If you have selected "Private?" or "All?" and password protection is activated (→ Page 15): Enter the password.

► 5=clear entry? OK

◄ ► and OK — Select the desired entry.

or

and OK — Enter the name of the relevant subscriber to call up an associated directory entry quickly. The rules that apply to the entry of characters via the dialling keypad apply here (→ Page 78).

OK — Confirm "Clear?". The entry is deleted.

◄ ► and OK — Select "Cancel?" if you do not want to delete any further entries.

Clearing the directory

You can clear the entire directory.

► Service? OK ► 3=local functions? OK

4 GHI — Press the 4 key (concealed entry).

and OK — If password-protection is activated (→ Page 15): Enter password.

◄ ► and OK — Select "Clear directory?".

OK — Confirm "Clear?". The memory is cleared.

Extended input mode

You must program two function keys with the functions "(30) overwrite" and "(31) delete character" before you can use the extended input mode (→ Page 87). Once a key has been assigned the "delete character" function, the ◄ key is used to position the cursor to the left instead of using it to backspace. The assignment of a function key with "overwrite" means that the "insert" mode is activated when the key is not pressed and the "overwrite mode" is activated when the key is pressed. You deactivate the extended input mode by deleting the programming of the two function keys (→ Page 88).

Clearing a character

Use ◄ or ► to position the cursor under the character that you want to delete and press the function key that you assigned beforehand with "delete character". The character is deleted.

Inserting a character

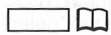
The function key that is assigned with "overwrite" may not be depressed. Use ◄ or ► to position the cursor under the character in front of which you want to insert a character and enter the new character.

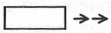
Overwriting a character

Press the function key that you assigned beforehand with "Overwrite". The cursor is displayed as a flashing block. Use ◄ or ► to position the cursor under the character that you want to overwrite and enter the new character.

The feature and destination dialling keys

Feature/destination dialling keys in the factory setting


Directory

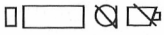

Redial

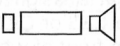
freely assignable

freely assignable

freely assignable

freely assignable


Mute


Loudspeaker

Assigning phone numbers to keys (destination dialling)

You can assign frequently used numbers to the freely programmable keys of your video phone.

Actuate the key to which you wish to assign the phone number.

Enter the desired phone number (including the code for the video connection). Delete backwards with ◄.

OK
Store the phone number.

You can use the supplied label sheets to note down, for example, the name of the associated subscriber beside the programmed key (→ Page 1).

Assigning functions to keys

You can assign frequently used telephone functions to the four freely programmable keys of your video phone.

► | Service? | OK | ► | 4=feature keys? | OK

and OK

If password protection is activated (→ Page 15): Enter the password.

Press the key to which you would like to assign the function.

◄ ► und OK or

Select the desired function and confirm your selection with OK.
Alternatively, you can enter a two-digit menu number (see the table). The setting is saved. Press Stop if you do not wish to program any further keys.

No.	Function
01	clear definition**
02	dest. dialling
04	**call list**
05	forwarding
06	charge display*
09	anonymous*
10	autom. call accept.
12	suspend/resume
13	room monitoring
14	do not disturb
15	call signal off
16	toggle
17	**lock functions**
18	read info text*
19	send info text*
20	monitor call*
21	conference

No.	Function
22	transfer call*
23	forward call*
24	**DTMF signals off**
25	**status**
26	DTMF/keypad number
27	service menu
28	**room echoing**
29	**room attenuated**
30	**overwrite**
31	**delete character**
42	**AM rec**
43	**AM playback**
44	**AM active announ.**
45	**AM monitoring**
46	**AM VIP function**
50	**video teleph. menu**
52	**camera on**

No.	Function
53	**rec. still image**
54	**send still image**
56	**own image coded**
57	**send charge opt.**
58	**receive chann. opt.**
59	**lip synchron.**
60	**56kbit operation**
61	**brightness**
62	**image motion opt.**
63	**camera external**
64	**audio external**
65	**video monitoring**
66	**autom. image conn.**
67	**mirror image**
68	**VCR playback**
69	**door camera**
70	**shift**
71	joker

You can use the functions printed in bold once with the help of the Joker key (→ Page 88).

* Only available if feature has been applied for and configured or info text is available.

** This function cannot be programmed on a key; it is only used for deleting a key (→ Page 88).

You can use the supplied label sheet to note down the associated telephone function beside the programmed key (→ Page 1).

Configuring the Joker key

This key allows you to call up a limited function list, to select a function from the list and to subsequently execute this function once as a permanently programmed feature key. You can use this key to access the most important functions if you frequently use very diverse functions.

► | Service? | OK | ► | 4=feature keys? | OK

Press the key that would like to program as the Joker key.

◄ ► and OK or

Select the "Joker" function and confirm it with OK. Alternatively you can enter menu number 71. The setting is saved. Press Stop if you do not wish to program any further keys.

Using the Joker key

Press the configured Joker key.

◄ ► and OK or

Select the function that you want to execute once and confirm it with OK. You can also enter the relevant number of the function. This functions is then directly executed.

The functions that can be executed once with the Joker key are printed in bold in the table on → Page 87.

Clearing the function assigned to a key

You can clear the assignment of a phone number or a function to key. The key is no longer assigned a function or number following this action.

► | Service? | OK | ► | 4=feature keys? | OK

Press the key whose function or phone number assignment you would like to clear.

◄ ► | 01=clear definition? | OK

Second level for programmable keys

You can program one key as a Shift key. You can subsequently use the Shift key to assign dual functionality to every freely programmable key. The Shift key cannot be assigned dual functionality.

Programming the Shift key

► | Service? | OK | ► | 4=feature keys | OK

Press the key that you would like to program as the Shift key.

Enter 70.

The Shift key is now configured.

Programming keys on the second level

You can program destination dialling numbers or the "DTMF/keypad number" on the second level. You cannot program functions on the second level.

Proceed as follows to program a key on the second level:

► | Service? | OK | ► | 4=feature keys? | OK

Press the key twice that you want to program on the second level.

OK OK

Confirm "02=dest. dialling?". Enter the relevant phone number. Confirm your entry.

The second level may not be programmed as a feature key.

or

► | 26=DTMF/keypad number | OK

Confirming keys on the second level

Press the configured Shift key.

Press the desired key.

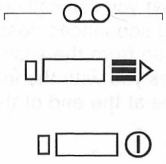
The answering machine

The answering machine in your video phone provides you will the following options:

- Callers can leave messages on the answering machine in your absence. You can record four different announcements that prompt the caller to speak onto the machine. You can set which message the caller hears by assigning a certain message to a phone number (MSN).
- If you do not wish any messages to be recorded, you can simply leave callers a short info announcement stating that you are unavailable to take a call.
- You have the option of listening to all messages or only listening to newly received messages. You can fast forward and rewind your messages. You can delete all message at once or individually.
- The date and time of the call of every message is recorded. You can retrieve this data when you play back the message.
- You can record telephone calls live.
- You can record messages/reminders for yourself or for the other users of the video telephone.
- Most of the control functions of the answering machine can also be executed via the dialling keypad and via the remote control with dual-tone multifrequency signalling (DTMF) from another telephone.
- You can use the microphone, the loudspeaker and the camera of the video telephone for room monitoring/ video monitoring via the remote operation of the answering machine.

The answering machine records the messages digitally in its memory.

Overview: Answering machine keys



These keys are available once you have called up the menu of the answering machine with **Check/Set**.

Rewind (back) key

During message playback: Go back to the beginning of the message or to the previous message.

During recording and pause: Jump to the start of the recording.

Playback/pause key

Listen to recorded messages.

During playback: Interrupt playback and resume playback.

Listen to announcements and info texts.

Forward key:

During message playback: Jump to the beginning of the next message.

Clear key

During message playback: Delete current message and jump to the beginning of the next message.

Stop key

During message playback: Cancel playback.

During recording of announcements or info texts: Cancel unsuccessful recording.

Recording/pause key

Record announcement, info text or final announcement.

Callback

Dial the phone number of the caller provided that the phone number has been transferred.

Details

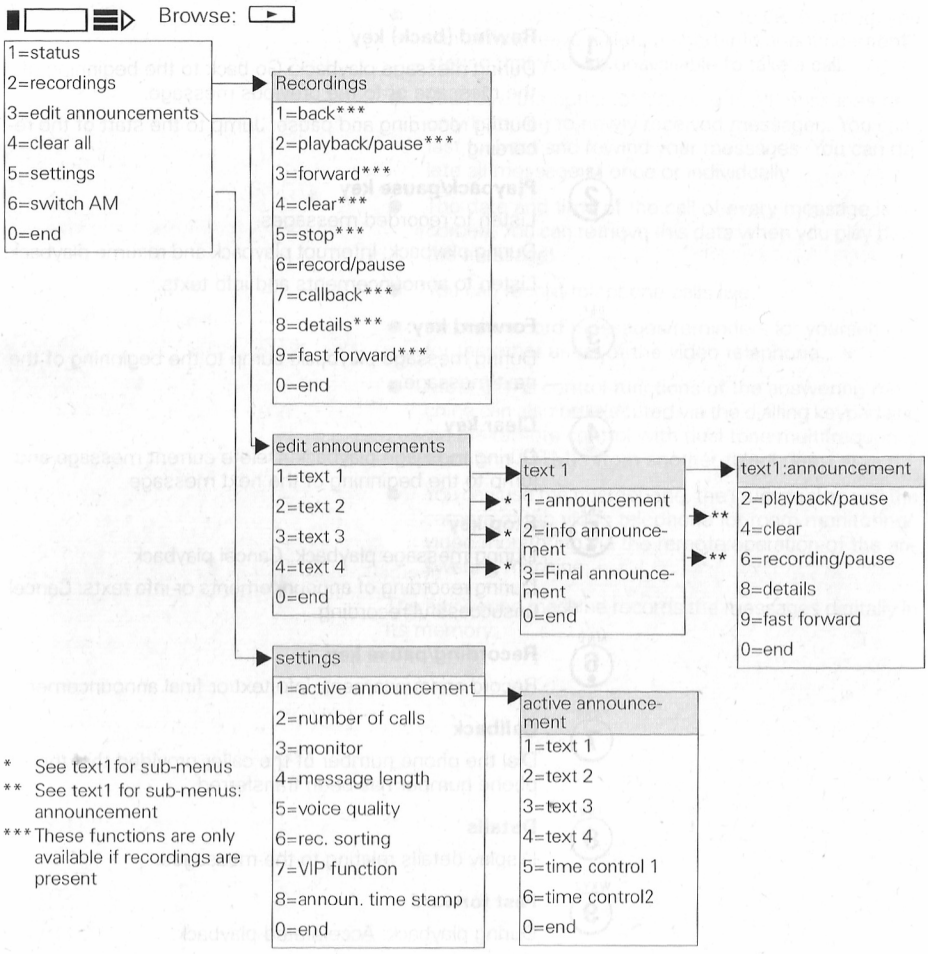
Display details relating to the messages.

Fast forward

During playback: Accelerated playback.

Answering machine menu

The answering machine in the video phone has its own separate menu that you can call up with the Check/Set key. The operating sequences described in this chapter can only be initiated from the answering machine menu. The menu provides you with the following functions (see also the menu tree at the end of these operating instructions):



* See text1for sub-menus
** See text1 for sub-menus: announcement
*** These functions are only available if recordings are present

Operating modes

The answering machine has two modes of operation:

- Operating mode with recording option: The caller hears an announcement. The caller can then leave a message on the machine.
- Operating mode with no recording option: The caller hears an info text but cannot leave a message.

You can additionally record a final announcement for the operating mode with a recording option. The final announcement is played for the caller if the maximum message recording time has been reached.

A total of four memory locations for texts are available. You can fill these memory locations with announcements (for the operating mode with a recording option), info texts (for the operating mode without a recording option) and a maximum of one final announcement.

You can record, for example, two different announcements, one info text and a final announcement text

You can set the maximum length of recorded messages.

A **typical announcement** would be, for example: "This is Mr. Meier. I am sorry that I cannot answer your call at present. Please leave a message and I will call you back as soon as possible. Please speak after the tone."

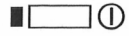
A **typical final announcement** would be, for example: "You have reached the maximum recording time for your message. Thank you for calling."

A **typical info announcement** would be, for example: "This is 1 2 3 4 5 6 7. I will be available tomorrow to take your call."

Switching the answering machine on and off

An announcement or an info text or a time control function must be activated to allow the answering machine to be switched on. "Edit: 1=text 1" appears in the display if this is not the case. You can then begin immediately with the recording of an announcement or an info text (→ Page 94).

Switching on the answering machine



Press the On/Off key to switch on the answering machine; the LED illuminates.

Switching off the answering machine

Press the On/Off key again to switch off the answering machine; the LED is extinguished.

Recording an announcement

Select one of the four memory locations (text 1 to text 4) to record an announcement. The announcements can be recorded using the microphone or the handset. Any previously recorded announcement is deleted. "Edit: 1=text 1" appears in the display if no announcements have been recorded yet.

► 3=edit announcements? OK

and OK

If password-protection is activated (→ Page 15): Enter the password.

► 1=text 1? OK

or

2=text 2? OK

or

3=text 3? OK

or

4=text 4? OK ► 1=announcement? OK

◄ ► 6=record/pause? OK

The message "Please lift handset or OK for recording" appears in the display. To start the recording process:

Lift up the handset. Record your announcement after the tone.

or

OK

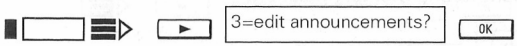
Handsfree: Record your announcement after the tone.

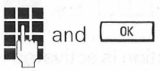
Stop or 5 JKL

Press the 5 JKL key or press Stop to end the recording process. The remaining recording time is displayed.

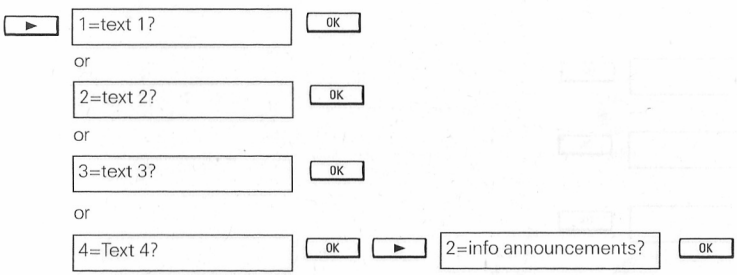
Recording an info announcement

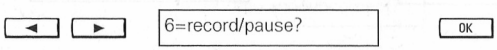
Select one of the four memory locations (Text 1 to Text 4) to record an info text. The info announcements can be recorded using the microphone or the handset. A previously recorded info text is deleted.





If password protection is activated (→ Page 15): Enter the password.



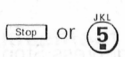


The message "Please lift handset or OK for recording" appears in the display. To start the recording process:

Lift up the handset. Leave your announcement after the tone.

or

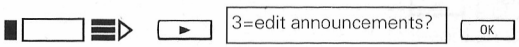
Handsfree: Leave your announcement after the tone.



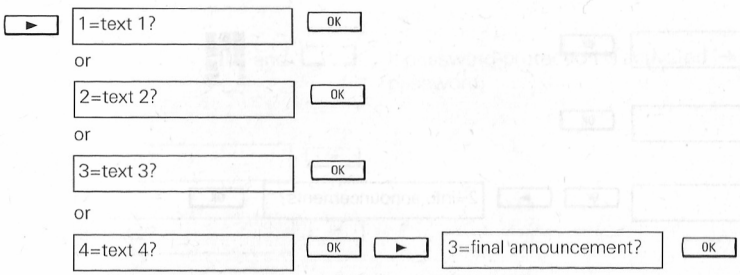
Press the (5) key or press Stop to end the recording process. The remaining recording time is displayed.

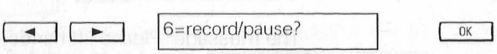
Recording a final announcement

Select one of the four memory locations (text 1 to text 4) to record a final announcement. This type of announcement is not required for the correct operation of the answering machine. You can only assign a final announcement to one memory location.



If password protection is activated (→ Page 15): Enter the password.



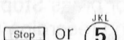


The message "Please lift handset or OK for recording" appears in the display. To start the recording process:

Lift up the handset. Leave your final announcement after the tone.

or

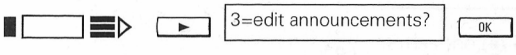
Handsfree: Leave your final announcement after the tone.



Press the (5) key or press Stop to end the recording process. The remaining recording time is displayed.

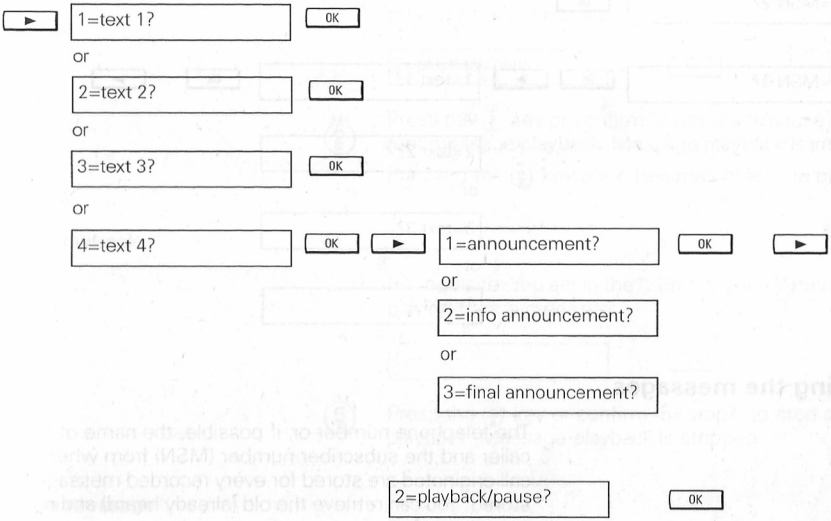
Listening to announcements and info texts

You can listen to the recorded announcements and info text whenever you desire. The recording are played back via the loudspeaker.



and OK

If password protection is activated (→ Page 15): Enter the password.

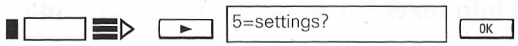


Confirm "2=playback/pause?" or press the (2) key to listen to your recording.
The recording is played back for you.

Activating an announcement

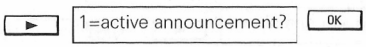
You can switch the answering machine on with the Answering machine on/off key. If you have not previously assigned an announcement or an info text to an MSN, this assignment is automatically queried when the answering machine is initially switched on.

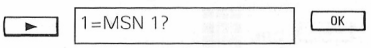
Before the operating mode is selected, the user is prompted to specify to which subscriber number(s) (MSN) the answering machine is to be assigned. A separate active announcement/info text can be selected for every MSN.



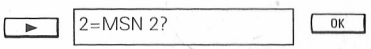
and OK

If password protection is activated (→ Page 15): Enter the password.

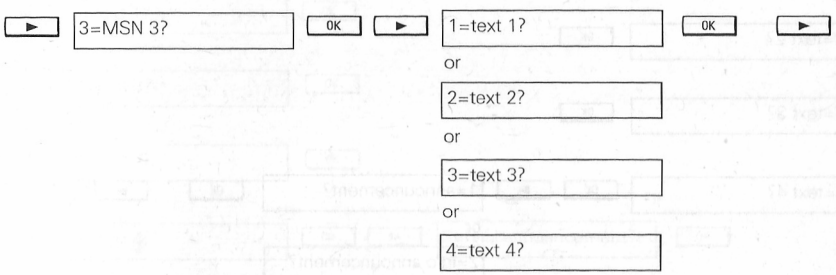




or

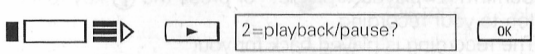


or



Retrieving the messages

The telephone number or, if possible, the name of the caller and the subscriber number (MSN) from where the call originated are stored for every recorded message are stored. You can retrieve the old (already heard) and newly stored messages:



Confirm "2=playback/pause?" or press the (2 ABC) key to listen to the message.
The message is played back for you.

Messages can also be played during a call.

The "2=recordings?" menu item is skipped when new messages are heard and the answering machine jumps immediately to the "2= playback/pause" menu when the answering machine menu is called up.

Fast forward

Prerequisite: You are in the "2=recordings?" menu and are playing back a message.

9=fast forward?	OK

Press the (9) key or confirm "9=fast forward?" to accelerate message playback. The message is played back approx. 30 % faster.

Interrupt/resume playback

Prerequisite: You are in the "2=recordings?" menu and are playing back a message.

2=playback/pause?	OK

Press the (2) key or confirm "2=playback/pause?" to interrupt message playback. Message playback is interrupted.

Pressing the (2) key again resumes message playback.

Stop playback

Prerequisite: You are in the "2=recordings?" menu and are playing back a message.

5=stop?	OK

Press the (5) key or confirm "5=stop?" to stop message playback. Message playback is stopped.

Delete message

You can delete previously heard ("old") messages. A message is defined as "heard" if 10 seconds of it have been played back or if it has been played back to the end.

Prerequisite: You are in the "2=recordings?" menu.

4=clear?	OK

Press the (4) key or confirm "4=clear?" to delete this message. The message is deleted and the next message is displayed.

Call up next/previous message

Prerequisite: You are in the "2=recordings?" menu.

(1) 1=back? OK

If you press the (1) key **or** select "1=back?" during message playback, the message is rewound by five seconds.

The answering machine jumps to the next message if the machine was not in the process of playing back messages.

You can play back the previous message with the (2 ABC) key.

(3 DEF) 3=forward? OK

If you press the (3 DEF) key or select "3=forward?" in the menu, the next message is played.

Dialling a phone number of a caller

If the phone number of the caller who left a message on your machine was transferred, you can select this phone number from the menu of the answering machine.

Prerequisite: You are in the "2=recordings?" menu and have selected a message.

(7 PQRS) 7=callback? OK

or

Press the (7 PQRS) key or confirm "7=callback?" to select the phone number of the caller.

OK Confirm "Dial?". The call number is dialled.

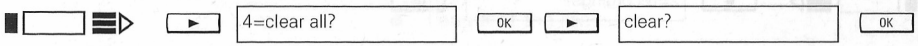
or

If the phone number or the name of the caller appears in the display, you can dial the subscriber's number by pressing the Loudspeaker key or by lifting up the headset.

Deleting all messages

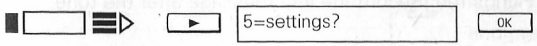
All of the old messages are deleted. The LED is extinguished.

A message is defined as "old" if at least 10 seconds or all of it have been heard and you have quit the answering machine menu.



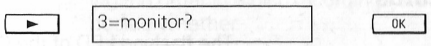
Monitoring during message recording

You can automatically monitor the recording of a message through the loudspeaker if the "monitor" function is activated.
You also have the option of accepting the call by lifting up the handset.



and OK

If password protection is activated (→ Page 15): Enter the password.



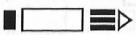
The "monitor" function is activated.

Confirm "Switch over" to deactivate the "monitor" function.

Recording live calls

You can record live calls which are you conducting a telephone conversation.
Please ask your partner if he/she agrees to a live recording of the call.

You are conducting a telephone call.

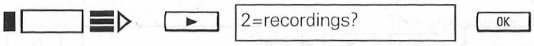


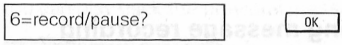
Press the "Check/Set" key. The answering machine is activated.

Press the MNO 6 key. The call is recorded. The remaining available recording time is displayed and updated.

Personal infos

You can use the memory of the answering machine to record messages/reminders for yourself or for other users of the video telephone. You can check these infos via the "1=status?" menu item (→ Page 102) and play them back via the "2=recordings?" menu item.





The message "Lift handset or OK print" appears in the display. Proceed as follows to start the recording process:

Lift up the handset. Record the info message after the tone.

Handsfree: Record the info message after the tone.

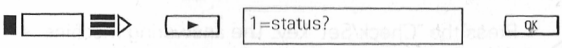
Press the 5 key or press Stop to conclude the recording process.

Checking the status

The flashing LED of the Check/Set key indicates that new messages or infos exist. The LED is extinguished after the messages and infos have been played back.

You can call up the following information in the "Status" menu:

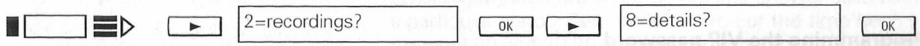
- Messages (old and new)
- Recordings (old and new)
- Number of infos (old and new)
- Assignment of the announcements, info texts and time control to the call numbers (MSN)
- Remaining storage time in minutes and seconds



Detailed list

You can have the following detailed information displayed in relation to the messages and infos:

- Phone number or name of the caller
- "Info" display if the detailed information relates to info
- Position of the message in the list
- Length of the message
- Date and time of the call
- "New" label if the details relate to an unheard message

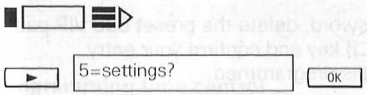


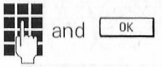
> You can define a previously heard message as "new" by selecting the message in the detail list and pressing the ⊛ key.

Recording sorting

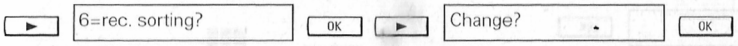
You can choose between two different methods for sorting the order in which recordings are played back. You can decide whether

- all new recordings are to be played back followed by all old recordings or whether
- all recordings are to be played back in the chronological order in which they were recorded.





If password protection is activated (→ Page 15): Enter the password.

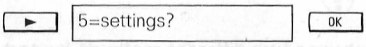


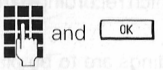
VIP function

The password must be programmed to allow the VIP function to be used (➔ Page 15).
The VIP function allows the caller to switch the normal ringer to a special ringer by entering a VIP password. At the same time, the caller is also given the option to leave a message if the answering machine is switched on and the "announcement" or "info announcement" operating mode is set. The VIP password must be transferred during the announcement/info text with "star – password – star" (example: *1111*) and with DTMF signals. The telephone now activates the special ringer to inform you about the VIP call. The caller can record a message if a VIP call is not answered after 50 seconds.

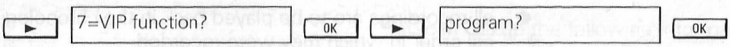
Programming the VIP password

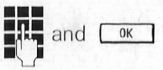
The VIP password is a four-digit PIN to be passed on to acquaintences, friends etc. to allows them to trigger the VIP ringer.





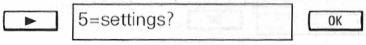
Enter the password.

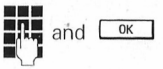




Enter the VIP password, delete the preset 000 VIP password with the ◄ key and confirm your entry.
The VIP password is programmed.

Activating/deactivating the VIP function





Enter the password.

► | 7=VIP function? | OK | ► | Switch over? | OK

"on" or "off" appears in the display. Confirm the display. The VIP function is now activated if it was previously deactivated. If is was activated, it is deactivated now.

Time control

The time control function allows you to set the behavior of the answering machine in accordance with the time of day. An example of this is given below:

You can program your answering machine to be switched on between 0.00 hrs and 8.00 hrs and answer calls with a particular announcement/info text. For the time between 8.00 and 20.00 hrs, you can program your answering machine to be switched off. You can the program your answering machine to be switched on for the remainder of the evening and to answer calls with a different announcement to the one used for the morning hours.

Two time control functions are available. You can program different time control functions for different subscriber numbers (MSN).

You can program up to five time windows for every time control function, for example from 0.00 hrs to 6.00 hrs, from 6.00 hrs to 12.00 hrs, from 12.00 hrs to 16.00 hrs, from 16.00 hrs to 20.00 hrs and from 20.00 hrs to 0.00 hrs.

The "program" menu item automatically appears the first time this function is called up if no time control feature has been set.

The answering machine must be switched on to allow this function to be used (→ Page 93).

Programming time control

Prerequisite: An announcement or info announcement has been recorded.

■ ▭ ≡▷ ► | 5=settings? | OK

and OK

If password protection is activated (→ Page 15): Enter the password.

► | 1=active announcement | OK

◄ ► and OK — Select the subscriber number (MSN) for which you wish to program a time control feature: 1 = MSN 1, 2 = MSN 2 and 3 = MSN 3.

◄ ► and OK — Select one or the two time control options: 5 = time control 1, 6 = time control 2.

► | program? | OK

◄ ► and OK — Select how the answering machine is to react in the first time window: 1 = text 1, 2 = text 2, 3 = text 3, 4 = text 4 or 7 = AM off.

Select announcement texts 1 to 4 if the answering machine is to be switched on in the first time window. Select "7 = AM off" if the answering machine is to be switched off in this time window.

and OK — Enter the start time of the first time window and confirm your entry, e.g. 0000 for 0.00 hrs.

and OK — Enter the end time of the first time window and confirm your entry, e.g. 0800 for 8.00 hrs.

◄ ► and OK — Select how the answering machine is to react in the next window: 1 = text 1, 2 = text 2, 3 = text 3, 4 = text 4 or 7 = AM off.

and OK — Enter the end time of the next time window and confirm your entry, e.g. 2000 for 20.00 hrs.

The entry of a start time is not required as of the second window. The end time of the previously defined time window is used as the start time.

You can program a total of five time windows for the time control feature.

Activating/deactivating time control

■ ≡▷ ► | 5=settings? | OK

and OK — If password protection is activated (→ Page 15): Enter the password.

► | 1=active announcement | OK

◄ ► and OK — Select the subscriber number (MSN).

◄ ► and OK — Select the desired time control option:
5 = time control 1, 6 = time control 2.

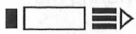
The top display bar shows whether the time control function is activated or deactivated.

OK — "Switch over?" appears in the display. Confirm the display. If the time control function was deactivated beforehand, it is now activated. If it was activated, it is now deactivated.

Setting the voice quality

You can choose between two different types of voice quality for the recording process:

- normal voice quality (compressed)
- high voice quality (uncompressed – high memory space requirements).



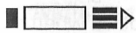
► 5=settings? OK

and OK — If password protection is activated (➔ Page 15): Enter the password.

► 5=voice quality? OK ► Change? OK

Setting the message length

You can limit the time available to the caller for recording his/her message.



► 5=settings? OK

and OK — if password protection is activated (➔ Page 15): Enter the password.

The message length that you select appears in the display.

► 4=message length? OK ► endless? OK
max. 30 s? OK
max. 60 s? OK
max. 120 s? OK

The answering machine automatically disconnects the call if the caller pauses for more than 10 seconds while he/she is speaking a message onto the machine.

Setting the number of rings

You can set the number of ringing signals which are to precede the answering of a call by the answering machine.

■□≡▷

► 5=settings? OK

and OK — If password protection is activated (→ Page 15): Enter the password.

► 2=number of calls? OK

The set number of rings appears in the display bar.

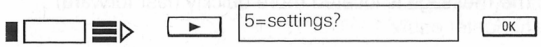
► and OK — Desired number of rings (1, 2, 4 or 6) or select "auto 2/4". The default setting is 4 rings.

If "auto 2/4" is set, the number rings depends on whether new messages are stored. The answering machine answers the call after two rings if new messages are stored and after four rings if no new messages are stored. This has the added advantage of allowing you to access your answering machine remotely and to find out if you have any new messages without incurring any expense.

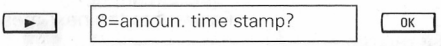
Activating the time stamp

Every message recorded by the answering machine is accompanied by a time stamp. The acoustic time indication is performed at the beginning of the recording with the specification of "weekday – hours – minutes".

You can activate and deactivate the time stamp function.



If password protection is activated (→ Page 15): Enter the password.



"Change?" appears in the display. Confirm the display. The time stamp function is deactivated now if it was activated prior to this. It is now activated again if it was deactivated.

Remote operation of the answering machine

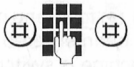
You can operate your answering machine remotely from an external telephone. To do this, tone dialling must be set on the remote phone or you must possess a hand-held transmitter. A password must be assigned for the remote access and operation of the answering machine (→ Page 15). You can perform the following functions via remote access:

- Retrieve messages and infos
- Delete messages and infos
- Room monitoring
- Switch the answering machine on/off

Activating remote operation

Dial your number from the remote telephone.

Wait until you hear the announcement.



Enter the four-digit password preceded and followed by the Hash key, e.g. # 1 2 3 4 #.
The answering machine automatically jumps to the "2=recordings?" menu if the password entered is correct.

The call is disconnected following the entry of the third incorrect password.

Retrieving messages and infos

The same keys that are used to retrieve messages on your own phone are used to retrieve messages and infos from a remote phone.

ABC 2 — Playback a message or info.
Pressing the 2 key again stores the message.

WXYZ 9 — The message is located more quickly (fast forward)

1 — Rewind by five seconds. During the playback of a message.
Jump back to previous message if no message is played back.

DEF 3 — Forward to the next message.

JKL 5 — End message.

Delete messages and infos

The same keys that are used to delete messages on your own phone are used to delete messages and infos from a remote phone.

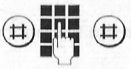
0 GHI 4 — Deletes all played back messages and infos.

Switching on the answering machine

The answering machine can be switched on from a remote telephone.
Your call is answered after 90 s by the video phone and transmits the prompt signal "Please enter your PIN"

Dial your number from the remote telephone.

Wait 90 seconds until the "Please enter your PIN" signal is transmitted.



Enter the four-digit password (PIN) preceded and followed by the Hash key, e.g. # 1 2 3 4 #.

0 MNO 6 — Enter the digits 0 9 for menu item "6=switch AM" once the password has been entered correctly.
The answering machine is switched off again by entering the digits 0 9 again.

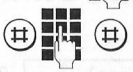
Room monitoring

This function allows you to monitor the room in which your telephone is located with the help of a remote telephone. You not only hear what is happening in your room but can also speak in the room via the loudspeaker in the your telephone.

The activation of the video monitoring function (→ Page 42) allows you to monitor the room optically from another video telephone.

Prerequisite: The room monitoring function is activated (→ Page 21). The room monitoring function cannot be used under any circumstances from a remote phone without this authorization (which can only be entered directly in the device).

Dial your number from the remote telephone.



Enter the four-digit password preceded and followed by the Hash key, e.g. # 1 2 3 4 #.

Enter the digits 0 8. The room monitoring function is activated.

General delete functions

Clearing the memory

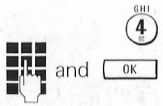
You can clear individual memories:

- Charge meter (summation meter)
- Locks
- Destination dialling numbers
- Directory

A "clear memory" command which allows you to clear the following settings and memories all at once is also available:

- Redial list, call list, directory, destination dialling numbers, summation meter, emergency numbers 1 and 2, barred numbers, direct station selection and total lock.

[►] Service? [OK] [►] 3=local functions? [OK]



Press the 4 key (concealed entry).

and [OK]

If password protection is activated (→ Page 15): Enter the password.

[◄] [►] and [OK]

Select the memory to be cleared. Selecting the "Clear memory?" command clears the settings and memory areas listed above.

[◄] [►]

Select "Clear?" (this additional query prevents inadvertent deletions).

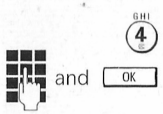
[OK]

Confirm. The memory is cleared.

Restoring the factory settings

You can restore the video phone to its original factory state.

[►] Service? [OK] [►] 3=local functions? [OK]



Press the 4 key (concealed entry).

and [OK]

If password protection is activated (→ Page 15): Enter the password.

► 6=factory setting? OK

◄ ► Select "Set?" (this additional query prevents individual settings from being inadvertently deleted).

OK Confirm. The factory setting is restored.

Factory settings

	Default setting	Yes/On	No/Off/Locked	No entry
Video telephone				
brightness	3			
mirror image			●	
image format	resolut.-opt.			
still image	remote image			
own image local	uncoded			
camera		●		
outgoing call	image-optim.			
incoming call	image-optim.			
camera outg. call		●		
camera inc. call		●		
56kbit operation			●	
video connection		●		
lip synchron.		●		
camera conn.	intern.			
audio conn.	intern.			
video monitoring			●	
autom. video conn.			●	
Configuration				
phone number(s)				●
national variant	Euro			
date/time	00.00.00/00.00			
display own No.		●		
display rmt. No.		●		
conference		●		
call forwarding		●		
call transfer			●	
call deflection			●	
call monitoring			●	
info text			●	
language	English			
call process. type	Multi-device connection			
call waiting		●		
external call				●
nat. access code				●
int. access code				●
area code				●
room monitoring			●	
autom. call accept.			●	

	Default setting	Yes/On	No/Off/Locked	No entry
Local functions				
charges indiv. meter decimal places	2	●		
currency	00.00			
summation meter			●	
summation meter amount	0			
password				●
directory div.			●	
Programmable keys				
Keys 1 to 4	destination dialling			
Audio				
loudspeaker	5			
ringer volume	5			
ringer tone MSN 1: tone sequence/melody	2/2			
ringer tone MSN 2: tone sequence/melody	4/4			
ringer tone MSN 3: tone sequence/melody	6/6			
handset volume	2			
room characterist.	normal			
Lock functions				
total lock			●	
direct stn select.			●	
DSS number				●
lockout numbers 1–9			●	
emergency number 1				●
emergency number 2				●
Answering machine				
active announcement				●
number of calls	2/4			
monitor		●		
message length	endless			
voice quality	normal			
rec. sorting	chronologically			
VIP function			●	

External connections

Your video telephone is equipped with external video and audio connections which allow you, for example, to operate a video recorder from the phone. The connections are located at the rear side of the device and are of the chinch socket type. Please check the diameter of the housing outlets when you are purchasing the chinch plug (see also "Technical data" on ➔ Page 122).

The setting of the external interfaces cannot be permanently displayed on the telephone. You can assign the switching functions ("Camera external" and "Audio external)" to feature keys (➔ Page 87). An activated external interface can be identified by the illuminated LED on the feature key. You can check the status of the interfaces at any time via "Status" in the video telephone menu (➔ Page 44).

The external video interface

The external video interface comprises a video outlet and a video inlet.

Video outlet

The video outlet is connected in such a way that all video signals that are visible on the video telephone screen are also available at this outlet.

Video inlet

The user switches between the internal camera and the external video inlet by means of the video menu (➔ Page 40) or with a feature key which has been assigned the "Camera external" function (➔ Page 87). Any setting that is performed is retained until the setting is switched again. The setting is independent of the state of the device (idle state/connection state).

The external audio interface

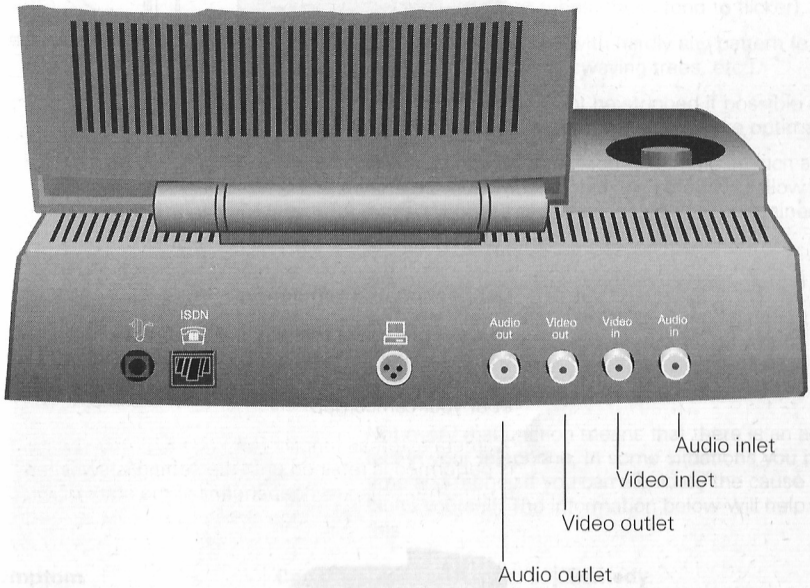
The external audio interface comprises an audio outlet and an audio inlet.

Audio outlet

The audio outlet is connected in such a way that all audio signals that are audible in the handset loudspeaker or in the open listening loudspeaker are also available at this outlet.

Audio inlet

The user can switch between the internal handsfree microphone and the external audio connection via the video telephone menu (➔ Page 41) or with the feature key that has been assigned the "Audio external" function (➔ Page 87). Any setting that is performed is retained until the setting is switched again. The setting is independent of the state of the device (idle state/connection state). The setting of the handset microphone is switched over to allow to user to switch between the handset microphone and the external audio connection by lifting up and replacing the handset with the loudspeaker key pressed down.



Connecting external devices

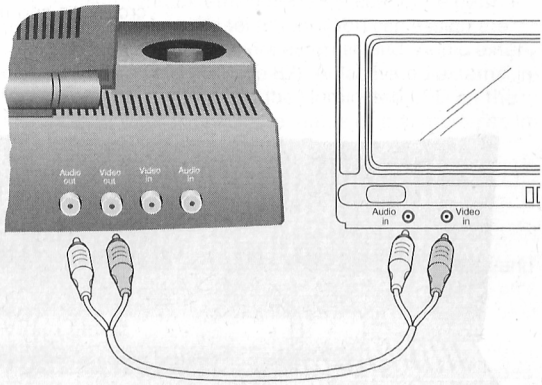
You can connect various consumer electronic equipment to your video telephone, for example a television, camcorder, video recorder (for playing and recording), microphone, active loudspeaker, HiFi system etc.

The connection of a television and a camcorder is described by way of example below:

Connection of a television

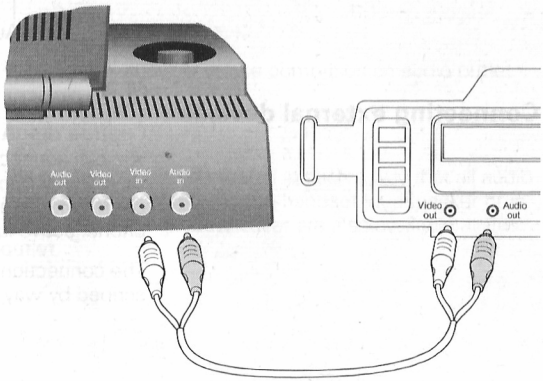
To connect a television to the video telephone, insert the chinch cable into the Video out or Audio out socket of the video telephone and into the Video in or Audio in socket of your television set.

You will need an adapter that transfers SCART to chinch if your television is only equipped with a SCART connection.



Connection of a camcorder

To connect a camcorder to the video telephone, insert the chinch cable into the Video in or Audio in socket of your video telephone and into the Video out or Audio out socket of your camcorder.



General information

Optimal video connection

The settings for an optimal video connection can be found under "Camera" (➔ Page 28), "Brightness" (➔ Page 31), "Image format" (➔ Page 32) and "Image optimization" (➔ Page 35).

The following requirements must be fulfilled if the image is to be clear and the movement is to be smooth:

- The face should be well illuminated (either with the face pointed toward the window or with light shining on it from the front).
- If artificial light is used, electric bulbes are preferable to fluorescent tubes (these tend to flicker).
- Plain background with hardly any pattern (e.g. no blowing curtains, swaying trees, etc.).
- Clothing should not be stripped if possible and with little pattern (large plain surfaces are optimal).
- Sit in front of the video telephone in such a way that your head does not fill the screen (to allow as many stationary images as possible to be retained).
- Move slowly, avoid sudden movements.
- Avoid a television image in the background (flicker).
- Use a table that can resist vibration, do not hold the video telephone on your lap (too uneven).

Self-help in the event of a failure

Not every malfunction means that there is an actual defect in your telephone. In some situations you may save time and money if you can eliminate the cause of simple faults yourself. The information below will help you do this.

Symptom	Cause	Remedy
No display appears.	Not connected to the power supply.	Check whether the plug-in power unit is connected.
No dial tone.	No connection to the ISDN socket.	Check whether the telephone connection cable is plugged in at the telephone and at the ISDN socket.
	No power supply.	Check whether the plug-in power unit is connected.

Symptom	Cause	Remedy
	Handset cord is not connected correctly.	Check the plug-in connections of the handset cord at the telephone and at the handset.
No reaction from the telephone.	Maloperation.	Plug out the plug-in supply unit and plug it in again.
If operated in a telephone system: None or incorrect connection afte dialling from a memory.	Trunk code not entered.	Enter trunk code,→ Page 22.
Entered **password** is rejected.	Password incorrectly entered.	Retry. Please call the service hotline if you have forgotten your password, (→ Page 121).

Our hotline service would be delighted to assist you if these measures do not help you to eliminate an error (→ Page 121).

Cleaning the telephone

Simply wipe the telephone with a slightly damp cloth or with an anti-static cloth. Never use a dry cloth.

Please avoid the use of other cleaning or scouring agents.

Warranty

Siemens AG guarantees this product for six months calculated from the date the product was purchased from your dealer. Please keep the purchase receipts as proof of the purchase date!

During the warranty period, Siemens AG correct all faults that are the result of material or manufacturing errors. Siemens AG has the right to fulfil the warranty by repairing or exchanging the defective device.

The warranty does not include damage that has been caused by improper use, wear and tear or through intervention by a third party. The warranty do not include any consumable material or any faults that do not significantly reduce or impair the value or fitness for use of the telephone.

The Siemens product purchased by you complies with the technical specifications for the connection to the public telecommunications network in your country.

You can put forward your warranty claims directly to Siemens Service.

Siemens Service

For telephone malfunctions in **Germany**:
The service number for Germany:
0180 5 333 222.

Service numbers in:

Australia	1800622414
Austria	+43-117075004
Bulgaria	+359-2739488
Belgium	+32-78152221
CzechRep.	+420-224199259
Denmark	+45-44774866
Finland	+358-951053190
France	+33-0149224284
Greece	+30-16864389
Hongkong	+852-28707559
Indonesia	+62-214615081
Italy	+39-243883091
Luxembourg	+35-243843399
Malaysia	+603-2415993
Netherlands	+31-703333100
Norway	+47-22633314
Portugal	+351-14178393
Russia	+7-0957371801
Saudi Arabia	+966-26655058
South Africa	0800114050
Spain	902115061
Sweden	+46-87281400
Switzerland	+41-14954487
Taiwan	+886-225186504
Thailand	+662-6791777
Turkey	+90-2122934160
United Kingd.	+44-990334411

Please note that Siemens Service can only assist you if your telephone is faulty.

Your specialist dealer would be delighted to answer any questions regarding the operation of the telephone.

Please consult your local network provider if you have any questions about the telephone connection.

Technical data and signal tones

Technical data

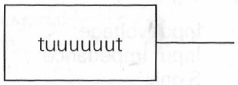
Display	Alphanumeric, 2 lines with 24 characters each	
Screen	Type:	TFT color monitor
	Screen diagonal:	14 cm
	Resolution:	320 x 240 pixels (full color)
	Brightness:	250 cd/m^2
Camera	Type:	CCD color camera
	Resolution:	512 x 582 pixels
	Sensitivity:	10–100,000 lux
	Aperture:	2.0
	Focal distance:	3.8 mm
	Focus range:	5 mm–∞
Video standards	Video communication via ISDN:	H.320
	Video compression:	H.261 and H.263
	Audio compression:	G.711, G.728
	Image formats:	QCIF and CIF
	Transferred images per second:	Up to 30 with QCIF Up to 20 with CIF
Answering machine		
Announcement texts:	Maximum 4 announcements including: – Announcements for operating mode with recording option – Final announcement for operating mode with recording option – Info announcement for operating mode without recording opt.	
Message length:	Min. 3 s, max. setting 30, 60, 120 s or unrestricted.	
Answering machine memory:	Digital recording Total recording time approx. 10 min. The answering machine recognizes pauses in speech and does not store these. Messages that exceed the remaining recording time in the display can, therefore, be saved.	
Power consumption	Min. 3.3 W (in power down), max. 18 W Power supplied via plug-in power supply unit. Telephone operation inhibited if power fails.	
Permissible ambient conditions for operation	+5 °C to +40 °C 20 % to 75 % relative humidity	
Dimensions (L x B x H)	285 x 245 x 205 mm	
Weight	Approx. 2010 g	
Connection type	ISDN DSS1	
Length of connection cable	Telephone connection cable approx. 3 m	

Connection plug	Mini Western ENV 41001 (RJ45)	
External connections		
Video output	Output voltage:	0.7–1.5 Vss
	Output impedance:	75 Ω
	Signal:	FBAS PAL
Video input	Input voltage:	0.5–1.9 Vss
	Input impedance:	75 Ω
	Signal:	FBAS PAL
Audio output	Output voltage:	0.2–0.8 Vss
	Output impedance:	>10 kΩ
	Frequency range:	300 Hz–3.4 kHz
Audio input	Input voltage:	0.2–0.5 Vss
	Input impedance:	>10 kΩ
	Frequency range:	300 Hz–3.4 kHz
Plug-in power supply unit	Operating voltage:	207–244 V AC
	AC line frequency:	47–52 Hz
	Output power:	20.25 VA
	Output current:	19–27 V
		0.9 A

Signal tones

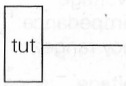
Switching signals (idle tone, busy tone, ring tone) are specific to the network provider. Only the following signal tones are unit-specific.

Positive confirmation tone:



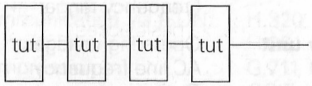
A 0.6 s tone with 1600 Hz

Negative confirmation:



A 0.1 s tone with 2000 Hz

Error tone:

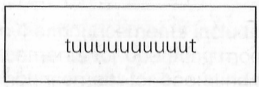


0.1 s tones with 1600 Hz and 0.1 s pause between each

Call waiting tone:

A call waiting is displayed by means of a single call signal.

Prompt tone during recording of messages/announcements:

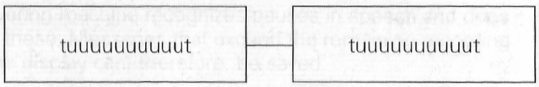


A 1 s tone with 1000 Hz

OK message upon password entry during remote operation of answering machine:

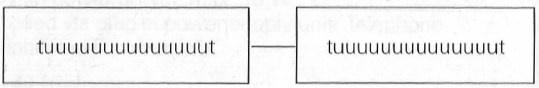
0.1 s tone with 1600 Hz

VIP tone to caller:



1 s tones with 400 Hz and 1 s pause between each

VIP tone at video telephone:



2.5 s tones and 2.5 s pause between each

Glossary

The aim of the glossary is to help you to understand the numerous new terms and abbreviations surrounding the subject of ISDN.

3PTY
An ISDN feature. The abbreviation stands for:
Three **Pa**r**ty** (three-way conference).
A subscriber is simultaneously connected with two other subscribers in a three-way conference and all three subscribers can conduct a three-way conversation.

a/b interface
Interface for the connection of analogue telephone systems.

a/b port
→ a/b interface, for example as an extension in the Tk system.

a/b terminal adapter
The a/b terminal adapter converts analogue signals to digital impulses and adapts the a/b interface to the S_0 interface of the basic access.

AOC-D
An ISDN feature. The abbreviation stands for:
Advice **O**f **C**harge - **D**uring the call.

AOC-E
An ISDN feature. The abbreviation stands for:
Advice **O**f **C**harge - at the **E**nd of the call.

B channel
ISDN transmission channel (basic channel) with a transmission rate of 64 kbit/s. The B channel is used to transfer data only while the → D channel controls this transmission process.

Bandwidth
Frequency range in the data transmission channel. The higher the bandwidth, the more information can be transferred per unit of time.

Basic access
The ISDN basic access provides the user with two → B channels with 64 kbit/s each and a → D channel with 16 kbit/s. It is available in the form of a point-to-multipoint connection or a system interface.

Basic channel
Transmission channel in ISDN; → B channel.

Bus
Technical transmission path for information → S_0 bus.

Call charge information
Feature which transfers the call charge units accumulated during a call to a subscriber's telephone via the → D channel. The call charge information can be transferred at the end of the telephone call only or, alternatively, during and at the end of the call.

Call forwarding
An incoming call is forwarded to the programmed telephone by programming your ISDN telephone accordingly. A distinction is made between call forwarding unconditional → CFU, call forwarding no reply (call forwarding after the fourth ringing signal) → CFNR and call forwarding busy → CFB. Calls can also be forwarded with any restrictions to analogue phones or cellular phones. The call forwarded from your phone to the number at which you can currently be reached is charged to your own phone's account.

Call list
Feature of a telephone: If you do not accept a call with a transferred phone number, the phone number and time of the call are stored in a list. You can view the list and call back the subscriber.

Callback on busy
Feature which signals to your telephone that a busy line is now free.

CCBS
An ISDN feature. The abbreviation stands for: **C**ompletion of **C**alls to **B**usy **S**ubscriber and means: Automatic callback if line is busy.

CD
An ISDN feature. The abbreviation stands for: **C**alling **D**eflection.

CFB
An ISDN feature. The abbreviation stands for: **C**all **F**orwarding **B**usy.

CFNR
An ISDN feature. The abbreviation stands for: **C**all **F**orwarding **N**o **R**eply.

CFU
An ISDN feature. The abbreviation stands for: **C**alling **F**orwarding **U**nconditional.

Channel
A channel is a connection path for telecommunication purposes, somewhat comparable to a previous telephone line. Every → basic access supplies two → basic channels and one → D channel.

CLIP
An ISDN feature. The abbreviation stands for: **C**alling **L**ine **I**dentification **P**resentation and means: Transfer of the phone number of the calling subscriber to the called subscriber.

CLIR
An ISDN feature. The abbreviation stands for: **C**alling **L**ine **I**dentification **R**estriction and means: Suppression of the display of the calling subscriber's number on the called subscriber's phone.

COLP
An ISDN feature. The abbreviation stands for: **Co**nnected **L**ine identification **P**resentation and means: Transfer of the phone number of the called subscriber to the calling subscriber.

COLR
An ISDN feature. The abbreviation stands for: **Co**nnected **L**ine Identification **R**estriction and means: No transfer of the phone number of the called subscriber to the calling subscriber.

Compression
→ Data compression

Conference connection
A conference connection allows three or more telephones to communicate simultaneously.

Consultation
Feature which allows a subscriber to be put on hold in the TK system or exchange to allow a consultation call to be held with another subscriber.

Control channel
Also known as a signalling channel; → D channel.

CW

An ISDN feature. The abbreviation stands for:
Call **W**aiting.

A caller can signal that he/she would like to establish contact, even if both → B channels of a basic access are occupied. The call is transferred via the → D channel and is identified by an optic and/or acoustic signal. The called party can decide whether he/she would like to accept the call. The current call is then interrupted or terminated.

D channel

This channel is used to transfer information regarding the control of the connection setup, the connection cleardown and the use of features. The terminals connected to the ISDN port communicate with the relevant switching nodes via the D channel. The language used for this purpose is defined in the → D channel protocol.

D channel protocol

Defined standard according to which control and management information relating to the connections is encoded and decoded. D channel protocol in → Euro ISDN: → DSS1.

Data compression

This is the conversion of data to a reduced form by condensing repetitive bit patterns. Compressed data occupies less storage space. Data compression saves time and money, particularly during data transmission.

Data transmission rate

This is usually specified in bit/s and describes the amount of data that can be transferred per time unit. Approx. 14.400 bit/s or 28.000 bit/s are transferred with a conventional, analogue modem. Up to 64.000 bit/s can be transferred in an ISDN channel.

Digital voice transmission

Analogue voice signals are converted to a digital pulse current of 64 kbit/s by means of the internationally standardised pulse code modulation (PCM) procedure. The advantages of digital voice signal transmission include greater ranges, improved voice quality due to a wider frequency range and, above all, less susceptibility to faults.

Direct inward dialling/ direct inward dialling capability

This is the ability to directly dial individual extensions of a → Tk system from outside.

Direct trunk access

A direct trunk access can be defined for individual extensions in the → Tk system and allows you to specify which metering zones in the telecommunications network this extension can access. Direct trunk accesses can assigned, for example for connections in city, long-distance or international zones.

Display

Display panel on → terminals.

DSS1 protocol

Digital Subscriber Signalling System No. 1. DSS1 is the name of the signalling protocol between the ISDN terminal and the exchange based on a European norm. Information that is relevant to the connection setup and control is transferred via the → D channel of the → basic access.

DTMF signalling

Dual-**T**one **M**ulti**f**requency signalling is a procedure for the remote control of communication terminals, e.g. answering machines. Control signals are converted to tones of varying lengths for the transmission process and interpreted as control signals by the receiver.

ECT

An ISDN feature. The abbreviation stands for:
Explicit **C**all **T**ransfer.

Enhanced telephone

Enhanced service package for ISDN features (based on a standard telephone).

Euro ISDN

The Euro ISDN is based on the → DSS1 protocol, a norm that is valid across Europe.

Exchange console

Network node in the public communication network. A distinction is made between the local exchanges to which customers are directly connected and long-distance exchanges.

Feature

Services that go beyond the normal communication service of the communication network and which provide additional convenience or additional options, e.g. call waiting, toggling, three-way conference etc.

Handsfree talking

Telephoning via the loudspeaker and microphone installed in the phone.

HOLD

An ISDN feature.
Means "Holding the call". Describes the status of the subscriber currently on the line if the consultation or toggle features are activate.

Holding a call

An incoming call is placed on hold in the exchange by means of an entry in the ISDN terminal. The → Consultation, → Toggle and Three-way conference (→ conference connection) features facilitate call holding.

IAE sockets

ISDN connecting unit or ISDN communications socket. An IAE is the socket into which the ISDM terminals are plugged.

ISDN

Integrated-**S**ervices **D**igital **N**etwork. ISDN integrates telecommunications services such as telephone, telefax, data communication or the transmission of video images in one network. The digitisation of the network ensures better transmission quality and, particularly, a high higher transmission rate (64 kbit/s per B channel).

MCID

An ISDN feature. The abbreviation stands for:
Malicious **C**all **Id**entification (call tracing).

MSN

→ Multiple subscriber number

Multiple subscriber number (MSN)

Multiple **S**ubscriber **N**umber. In the Euro ISDN, a point-to-multipoint connection can be assigned up to 10 multiple subscriber numbers. The numbers are used for the targeted addressing of the connected terminals. Most of the available ISDN telephones can be assigned several multiple subscriber numbers.

Network terminator (NT)

A network terminator (NT) must be installed when an ISDN port is configured. This terminating device is equipped with ISDN sockets (→ IAE sockets) to which a → Tk system and an additional ISDND terminal can be connected, if, for example, a multiple device connection is configured.

NTBA

→ Network terminator

PABX

Telecommunications system or PABX system. Tk systems are private switching systems that are connected for external communication with the public telecommunications network. Tk systems are not restricted to the telephone service but also provide transport services for the entire office communications system (voice, text, data and image transmission). The Tk system is manufacturer-specific.

Point-to-multipoint connection

The point-to-multipoint connection contains up to 12 installed ISDN communications sockets with up to 8 devices connected in parallel. The most diverse ISDN terminals can be connected to this → S_0 bus. You can use two of these terminals simultaneously at a → basic access since you are supplied with two basic channels (→ B channels).

Point-to-multipoint operation

This is an ISDN multiple device connection which allows several ISDN terminals to be operated at an S_0 bus.

Point-to-point operation

Only one terminal can be operated at the port and, therefore, also called as system port. The terminal to be connected is usually an ISDN TK system.

Private automatic branch exchange (PABX)

Out-of-date term for a telecommunications system (→ PABX).

Protocol

Defined norm according to which information can be transferred.

S_0 bus

If several ISDN terminals are connected in parallel to an → S_0 interface of the → point-to-multipoint connection, this type of installation is called an S_0 bus. An S_0 bus provides two → B channels and one → D channel. Up to 12 telecommunications sockets can be installed on an S_0 bus and a maximum of 8 terminals can be simultaneously connected to these sockets. The S_0 bus is a four-wire installation.

S_0 interface

Four-wire connection facility of ISDN terminals (ISDN telephone, ISDN PC card etc.) at the ISDN basic access.

Service code

Prevents connections between incompatible terminals. A connection cannot be set up, for example, between a data terminal and a telephone. The service code is transferred in addition to the phone number in the → D channel.

Standard telephone

Service package for ISDN features. See also the enhanced telephone.

System interface

An ISDN terminal (generally a → Tk system) can only ever be connected to this interface. All other terminals, subsequently, are not connected directly to the ISDN port but to the Tk system. The Direct inward dialling feature allows you to dial a specific extension.

Telecommunications equipment

All components that can be used for telecommunications purposes, for example the → network terminator, lines, connection sockets, telephones, → Tk systems etc.

Terminal

The terminal is the user's communication device, i.e. allows the user to use the service. Telephones, video telephones, fax machines or answering machines are terminals.

Telephone conference

→ Conference connection.

Terminal adapter

Terminal adapter for connecting various equipment to the ISDN. The a/b terminal adapter is used, for example, to connect analogue terminals to the → S_0 interface of the → basic access. This allows the continued operation of previously configured analogue terminals.

Toggle

The toggle feature allows the user to switch between two external callers without the waiting caller being able to listen in.

TP (parking)

An ISDN feature. The abbreviation stands for:
Terminal **P**ortability and means:
Park call, e.g. to plug in the telephone in the interim at the bus

The connection is held in the exchange without being cancelled. You can hold a second call, for example in the interim (→ Consultation).

UUS-1

An ISDN feature. The abbreviation stands for:
User to **U**ser **S**ignalling service **1** and means:
User to user signalling at the beginning and end of a connection.

Video telephoning

A type of communication or, more precisely, a service in which the subscribers not only communicate acoustically with each other but also have direct eye-to-eye contact, i.e. can see a moving image of the other person on their screens.

Western connector

Connector used for ISDN terminals. This connector possesses eight contact points in comparison to the Western phone plug for analogue phones (four or six contact points).

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Quick reference guide: Remote operation of the answering machine

The card displayed on this page contains the most important commands for operating the answering machine of a video telephone from a remote telephone. You can cut this card out.

T-View

Start

Dial phone number.
Wait for announcement.

[#] [ ] [#] Enter PIN.

Messages/infos

[2] Playback
[9] Fast forward
[1] Rewind
[3] Forward
[5] End message
[4] Clear all

Switch AM on/off

[0] [6] Wait 90 s. Enter PIN.
Switch on AM.

[0] [6] Switch off AM.

Room monitoring

[0] [8] Activate/deactivate

T–View

Start

Dial phone number.
Wait for announcement.

[#] [*] [#] Enter PIN.

Messages/infos

[2] Playback
[9] Fast forward
[1] Rewind
[3] Forward
[5] End message
[4] Clear all

Switch AM on/off

[0] [6] Wait 90 s. Enter PIN.
Switch off AM

[0] [6] Switch off AM

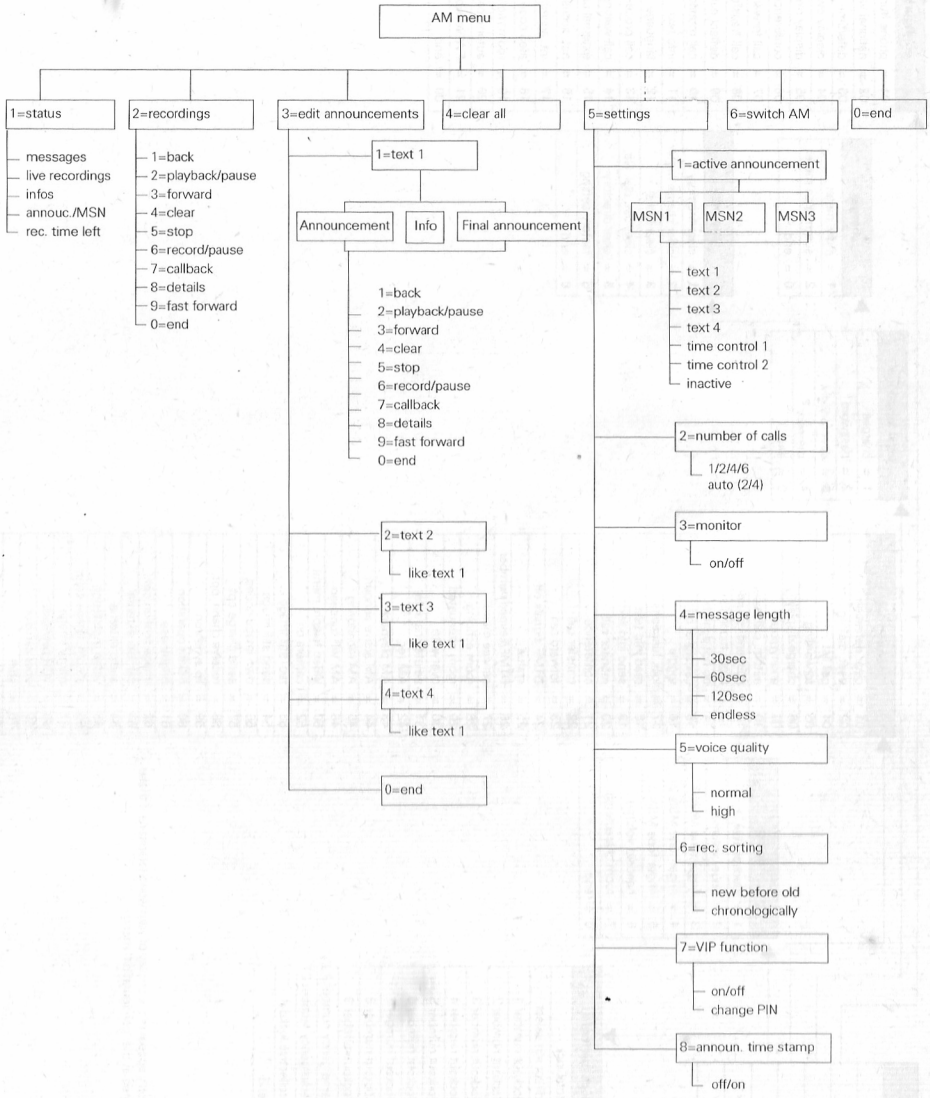
Room monitoring

[0] [8] Activate/deactivate

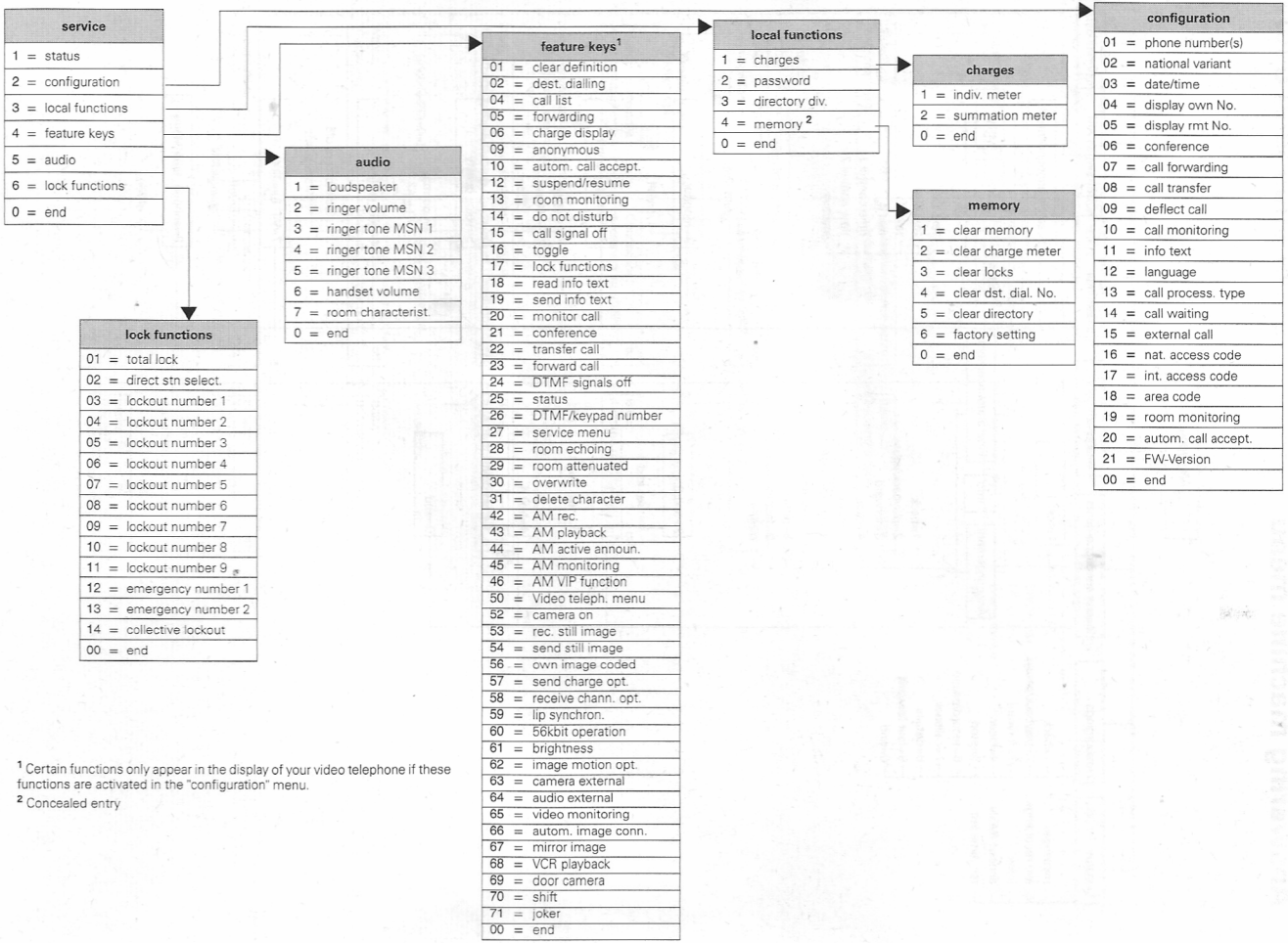
Notes

Video telephone menu

Answering machine menu



Service menu Functional overview



[1] Certain functions only appear in the display of your video telephone if these functions are activated in the "configuration" menu.

[2] Concealed entry

Enter these telephone numbers
as soon as you receive your equipment!

Important telephone numbers
if a fault occurs:
Tel.:
Sales/marketing inquiries:
Tel.:

CE 0188 X

Issued by
Information and Communication Products
Hofmannstraße 51, D-81359 Munich

Siemens Aktiengesellschaft

http://www.siemens.de/

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Order No.: A31003-X300-R101-1-7619
Printed in Germany.

Video Phone
Quick Reference Guide

This quick reference guide contains the most important operations for using the ISDN video phone.

It also provides a quick overview of the most important menus and their functions.
The functions marked with an asterisk (*) are unavailable for video calls.

Menu key functions

OK	Stop	◄	►
Accept the function displayed on the screen	**Cancel** the function/operation displayed on the screen	**Scroll** backward to select a function. In input fields: **delete a character**	**Scroll** forward to select a function

Placing a phone/video call ...

Place a video call with call preparation

Enter the station number (automatic dialing possible)	OK or or Press the OK key or talk handsfree or lift the handset and conduct the call

Dial a number with repertory dialing

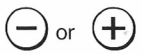
Press the repertory key	Talk handsfree or lift the handset and conduct the call

Dial a number from the telephone directory

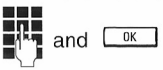
	OK	◄ ►	OK	OK	
Press the directory key	Confirm "1 = Dial?"	Select the station number or enter the name	Press this key	Confirm" Dial?"	Talk handsfree or lift the handset and conduct the call

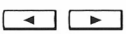
Activate and deactivate programmed call forwarding
Example: 3 multiple subscriber numbers are programmed

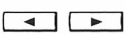
	◄ ►	OK	1 or 2 ABC or 3 DEF or 0
The phone is idle	Select "Call forwarding"	Press the O. key. Multiple subscriber numbers are displayed	Press **numeric key 1 or 2 or 3** to activate or deactivate call forwarding for the 1st, 2nd or 3rd multiple subscriber number. Press **numeric key 0** to deactivate call forwarding for all multiple subscriber numbers.

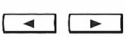
Adjust the speaker volume temporarily	
 Press the speaker key	 Press the + key to increase the volume or press the – key to decrease the volume

Conducting a phone call ...

Activate a consultation call *			
 You are engaged in a call	 Press the OK key	 Dial a station number and confirm	 Conduct the consultation call

End a consultation call *		
 You are engaged in a call	 Select "Release and return"	 Press the OK key. This ends the consultation call and reconnects you to the first caller

Hold toggle *			
 You are engaged in a consultation call	 Select "Toggle"	 Press the OK key. You are now connected to the first party	 Press the OK key. You are now connected to the second party

Activate a conference with three parties (3-party conference) *		
 You are engaged in a consultation call	 Select "3-party conference"	 Press the OK key. You are now connected to both parties
Replace the handset to end the conference		

Answer a call while engaged in another call (camp-on) *		
 You are engaged in a call	The camp-on signal sounds	**Answer second call:** Press the OK key to place the first caller on hold

Extend a call *

You are engaged in a consultation call or a conference	◄ ► Select "Extend"	OK Press the OK key to connect the two callers to each other	Replace the handset

The other party is busy ...

Activate automatic callback *

The other party is busy	OK Confirm "Callback". "Calling back" is displayed on the screen. Automatic callback is activated.

Answering machine ...

To record an announcement, advisory message or final announcement

Press this key	◄ ► Select "Edit announcements"	OK Press the OK key	◄ ► Select text 1, text 2, text 3 or text 4	OK Press the OK key	◄ ► Select an announcement, advisory message or final announcement	OK Press the OK key	Lift the handset. Record the announcement after the tone.	or	OK Press the OK key. Record the announcement after the tone (handsfree mode).

To retrieve messages

The LED lights up. Press the key.	OK Press the OK key to confirm "2=Playback/pause".

To record a call

You are engaged in a call	Press this key	MNO 6 Press this key to record the call. Ask the other party for permission to record the call.

Issued by
Private Kommunikationssysteme
Hofmannstraße 51, D-81359 München

Siemens Aktiengesellschaft

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Reference-Nr.: A31003-X300-R111-1-7619
Printed in Germany
07/98

Warning:

Due to EN 60950 Attachments ZB and ZC:

In Norway and Sweden this device may only be used in house behind the NTBA (Network Termination Basic Rate Access) or inhouse behind a PABX.

Due to Test TS004 Clause 5.4.3.9 for Australia and New Zealand:

Metallic objects may be retained in the earpiece region.

Varning:

Enligt EN 60950 bilagorna ZB och ZC:

I Norge och Sverige får denna apparat endast användas inomhus bakom NTBA (Network Termination Basic Rate Access) eller inomhus bakom PABX (automatisk abonnentväxel).

Enligt Test TS004 klausul 5.4.3.9 för Australien och Nya Zeeland:

Metallföremål kan fastna i hörluren.

Advarsel:

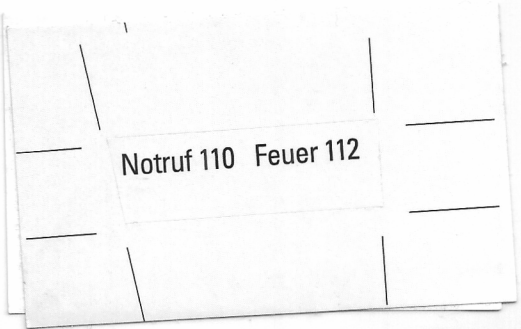
Ifølge EN 60950 Vedlegg ZB og ZC:

I Norge og Sverige kan dette utstyret kun brukes innendørs etter NTBA (Network Termination Basic Rate Access) eller innendørs etter en hussentral (PABX).

Ifølge Test TS004 Paragraf 5.4.3.9 for Australia og New Zealand:

Metallgjenstander kan sette seg fast i øretelefon.

A30853-X300-R101-1-Y343



Instruções de segurança

O T-View corresponde à norma europeia EN 60 950 – Segurança do equipamento de tecnologia de informação incluindo equipamento eléctrico de empresa. A segura construção do equipamento evita danos pessoais ou materiais.

Para a sua própria segurança, o telefone não pode ser utilizado na casa de banho (ambientes húmidos); o telefone não é à prova de respingos.

O alimentador fornecido é próprio para a utilização com o Videofone. Outros alimentadores podem não estar suficientemente isolados (choque eléctrico) ou ser subdimensionados (sobreaquecimento). Utilize apenas o alimentador fornecido.

Para evitar choques eléctricos, antes de puxar ou ligar a unidade do ecrã/da câmara da/na tomada, o videofone deve estar isento de tensão. Para isso, desligar o equipamento tanto da rede telefónica como da rede de corrente.

As ranhuras da ventilação não podem ser cobertas.

O equipamento aquece durante o funcionamento. Substâncias inflamáveis podem sofrer combustão, ou ser avariadas. Por isso, não cubra as ranhuras da ventilação e evite o contacto destas substâncias com o equipamento.

Para crianças, as pequenas peças representam perigo de ingestão ou sufocação. No caso do T-View, trata-se especialmente do clip do cordão de linha.
Mantenha estas peças fora do alcance de crianças.

Indicaciones de seguridad

T-View cumple la norma europea EN 60 950 – Seguridad de equipos informáticos incluidos los equipos ofimáticos eléctricos. La robusta construcción del equipo garantiza la seguridad de personas y objetos.

Por su propia seguridad y protección, no utilice el teléfono en el cuarto de baño o ducha (espacios húmedos en general); el teléfono no es resistente a las salpicaduras.

El alimentador enchufable suministrado está diseñado para la utilización con el videoteléfono. La utilización de otros alimentadores puede conllevar un aislamiento insuficiente (choque eléctrico) o un dimensionamiento deficiente (sobrecalentamiento). Utilice únicamente el alimentador enchufable suministrado.

Al extraer o desenchufar la unidad de pantalla/cámara, el teléfono deberá estar desconectado de la corriente, para evitar posibles choques eléctricos. Para ello, desenchufe el teléfono tanto de la red telefónica como de la eléctrica.

Las aberturas de ventilación no deben obstruirse ni taparse.

Durante el funcionamiento, el equipo se suele recalentar. Las substancias de fácil combustión pueden prender, las substancias de fácil inflamación pueden sufrir daños. Por ello, evite cubrir las aberturas de ventilación y no mantenga substancias tales como las indicadas cerca del equipo.

Los niños pequeños corren peligro de tragar o aspirar las partes más pequeñas. En el caso del T-View esto afecta especialmente al clip del cable de conexión. Evite a toda costa que los niños puedan acceder a estas partes.

Issued by Information and Communication Products

Hofmannstraße 51
D-81359 Munich

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Order No.: A30853-X300-R101-1-W443
Printed in Germany.

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SIEMENS

T-View

Sicherheitshinweise
Turvallisuusohjeita
Sikkerhetsanvisninger
Säkerhetsanvisningar
Veiligheidsinstructies
Οδηγίες ασφάλειας
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